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W. W. Tracy, Sr.

U. S. Department of Agriculture  
Washington, D. C.

LIBRARY

# DESCRIPTIVE CATALOGUE

SEEDS  
PLANTS  
BULBS

1904

*California  
Poppy*

*Leonard*

**Leonard Seed Co.**  
**CHICAGO.**



OUR reputation has been built up by furnishing seeds of the best quality as to purity and germination, and we shall always endeavor to furnish THE BEST SEEDS that can be procured and make prices as reasonable as possible.



WE ARE in a position to furnish good seeds at as low figures as any reliable house. We can and will meet all prices made by any one offering goods of equal value with ours, but we have no ambition to compete with those offering inferior stocks.

# ILLUSTRATED PRICE LIST

SEASON OF 1904.

## INFORMATION FOR PURCHASERS.

### OUR PART—READ IT.

WE PAY POSTAGE OR EXPRESSAGE on all seeds quoted by the packet, ounce, quarter pound and pound, also on pints and quarts of Peas, Beans and Sweet Corn, and on plants and bulbs except where noted otherwise, and upon all goods quoted in our catalogue where it says: **Prepaid by Mail or Express.**

We guarantee safe arrival of all seeds, provided you have given due care to observe faithfully your part, as stated in the opposite column of this page. **Be sure to read it.**

We use every effort possible in the selection of our seeds, and feel justified in saying that all our seeds are the **purest** and **best** to be found, but at the same time, there being so many things beyond the control of man that spoil the best seeds and cause poor crops, that it is impossible to guarantee seeds. Therefore, while we exercise great care to have all seeds pure and reliable, we sell no seeds with warranty expressed or implied in any respect, and are not in any way responsible for the crop. If the purchaser does not accept the seeds on these terms, they must be returned at once, and any money that has been paid for same will be refunded.

**LIBERAL DISCOUNTS.** To those of our customers who get up clubs for small quantities of the different kinds of seeds, we make the following liberal discounts: This offer refers to Vegetable Seeds in packets and ounces, and to Flower Seeds in packets. It does not include novelties nor special collections, nor bulbs nor anything but vegetable seeds and flower seeds taken from the standard list at regular catalogue prices, in packets and ounces for vegetable seeds, and in packets only for flower seeds:

For \$ 1.00	select seeds amounting to \$ 1.25	a discount of....	\$0.25
" 1.50	" " " 1.85	" ....	.35
" 2.00	" " " 2.55	" ....	.55
" 3.00	" " " 3.80	" ....	.80
" 4.00	" " " 5.10	" ....	1.10
" 5.00	" " " 6.75	" ....	1.75
" 10.00	" " " 14.00	" ....	4.00
" 20.00	" " " 29.00	" ....	9.00

### YOUR PART—READ IT.

**SEND CASH WITH THE ORDER.** This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter, or cash may be sent by express. Remittances sent in any other way are entirely at the sender's risk. Small amounts may be sent in postage stamps.

**SIGN YOUR NAME.** Name and address should be written as plainly as possible and care exercised to have Postoffice, County and State in full. If your express office or freight depot has a different name from your postoffice, give that also. This is very important, as we cannot send goods if we do not know where to send them.

**NOTICE CAREFULLY THE PRICES.** Be sure to know whether we or you are to pay the freight or express and bear in mind that **we do not pay** the express or freight charges on pecks or bushels, nor on any tools or plants, nor on potatoes, grass seeds, field seeds or fertilizers, except where we so state on the pages where the goods are priced.

**IN CASE OF DELAY, WRITE US.** It sometimes happens that an order is lost in coming to us, or the goods in going to the customer. Therefore, if any who order do not hear from us within a reasonable length of time, they should send a duplicate order, naming the date on which the former one was sent, and the amount of money enclosed, and in what form. This will enable us to investigate the matter and fill the duplicate order quickly.

**USE THE ORDER SHEET.** In each copy of our catalogue we place an order sheet. It will aid us greatly if you will make your order out upon it, using one line for each article ordered, and as far as possible write them in the way they are catalogued, beginning at the front. We will gladly furnish you additional order sheets if you write for them.

**ORDER EARLY.** We are prepared to fill your order as soon as this catalogue reaches you. So please order early. You will aid us and get "quicker service" by doing this.

IT IS IMPORTANT THAT YOU READ ALL OF ABOVE.

ESTABLISHED  
1884.

# LEONARD SEED CO.

INCORPORATED  
1901.

Successors to S. F. LEONARD.

Office & Headquarters:  
79 and 81 East Kinzie Street.

CHICAGO.

Market Gardeners Store:  
143 West Randolph Street.



NOVELTIES AND SPECIALTIES IN

# VEGETABLE SEEDS

FOR 1904.



#### WHAT OTHERS SAY.

"The finest Early Pea we ever planted."

"The quality of your Early Favorite equals Champion of England."

"Your Favorite is the most productive Early Pea we ever tried."

"In earliness and productiveness combined with quality, your Favorite leads all."

"I am glad that I took your advice for the Early Favorite Peas I bought from you gave me excellent satisfaction."

## Leonard's Early Favorite Peas

**A** NEW EARLY DWARF WRINKLED VARIETY of great productiveness and superior quality. Last season we recommended this pea by circular to our customers to take the place of American Wonder, Nott's Excelsior, Premium Gem and Little Gem, feeling sure that our opinion of it as the **Best Wrinkled Early Sort** for ordinary garden purposes would be sustained by a fair trial.

The result has been that our orders so far this year for this pea are greater than for any other dwarf wrinkled variety.

We are among the largest growers and jobbers of garden peas in the trade and have every chance of determining the value of the different varieties.

### LEONARD'S EARLY FAVORITE

Is somewhat taller in vine than American Wonder or Nott's Excelsior, consequently, in the average garden it shows up better, making the grower feel that there will be some peas from the patch. It pods better than any of the real dwarf wrinkled sorts and equals any of them in quality.

We know of no early dwarf wrinkled pea that we can recommend so highly; it is our favorite in all particulars as a dwarf early wrinkled pea.

### A TRIAL WILL PLEASE YOU

#### PRICES:

Pkt., 10c.

1-2 Pt., 25c.

Pt., 30c.

Qt., 50c. postpaid, by freight or express.

Pk., \$1.75.

Bu., \$6.00



A MARKET VARIETY  
THAT  
EXCELS ALL OTHERS

## DUKE OF YORK PEAS.

IT SHOULD BE IN  
EVERY GARDEN IN  
THE LAND

We have a strain of this splendid wrinkled variety that our Chicago gardeners consider the finest market pea in existence. **IT IS NOT A NOVELTY**; market gardeners usually fight shy of novelties and they are right, for they must run no chances. **OUR ILLUSTRATION SHOWS** the shape and size of the pod, also how well filled the pods are. **THE DUKE OF YORK** has been in the seed lists for some years but until last year its great merit as a market pea seems to have been overlooked. The **DUKE OF YORK** is of the same class as Telephone but is much earlier and more dwarf. It is not as early as **GRADUS** but is far more stocky as to vine, and the pods retain there freshness longer. We can give no higher recommendation than to say for it that **MARKET GARDENERS OF LONG EXPERIENCE IN PEA GROWING**

### Prefer It Above All Others.

They say: **TELEPHONE** is all right but it is rather late. **GRADUS** is all right for earliness but it is too spindly in vine and won't stand the racket of changeable spring weather. The **DUKE OF YORK**, therefore, in the opinion of those, who from experience should be qualified to judge, is to day the best market gardeners pea in the list.

GIVE IT A TRIAL.

POSTPAID.

PKT 10c. ½ PT. 20c. PT. 25c. QT. 40c.

BY EXPRESS.

PK. \$1.50. BU. \$5.50

### Sutton's Dwarf De- fiance Peas.

A new wrinkled marrow of fine quality. Vines stocky, quite dwarf, pods large and well filled. The exceeding productiveness of this variety for a dwarf sort, makes it one of the most valuable of all for the home gardens.

PKT. 10c. ½ PT. 20c. PT. 30c. QT. 50c. PK.  
\$1.50. BU. \$5.50

### Exonian Peas.

An early wrinkled sort of splendid quality. Vines 18 to 24 inches. Seed small, green, wrinkled similar to Alpha. When the merit of this variety becomes known it is sure to be in great demand.

PKT. 10c. ½ PT. 20c. PT. 30c. QT. 50c.  
PK. \$1.50. BU. \$5.50

### Our New Location.

We have removed our headquarters to the corner of Kinzie and Franklin streets, across from the baggage room of the Chicago & Northwestern railroad station. This is one of the most convenient locations in Chicago for our out of town, and suburban customers. We have a well equipped store for the speedy filling of all orders, and customers who come into town to do their purchasing can leave their order in getting off the train and have it made ready for them to take along when they return home in the evening. In addition to this convenience we are located so that shipments can be made by us to all points with the least delay. The advantage to seed planters in having a seed house of the character of ours situated so conveniently will be appreciated.

We are the largest garden seed dealers in Chicago. The largest wholesale growers, and have the largest market garden trade. Our warehouse is and for many years has been among the largest and best equipped cleaning and sorting garden seed establishments in the trade.

WE ARE AMONG THE  
LARGEST PEA GROW-  
ERS IN THE TRADE

OTHER PEAS WILL  
BE FOUND ON  
PAGES 48 TO 51

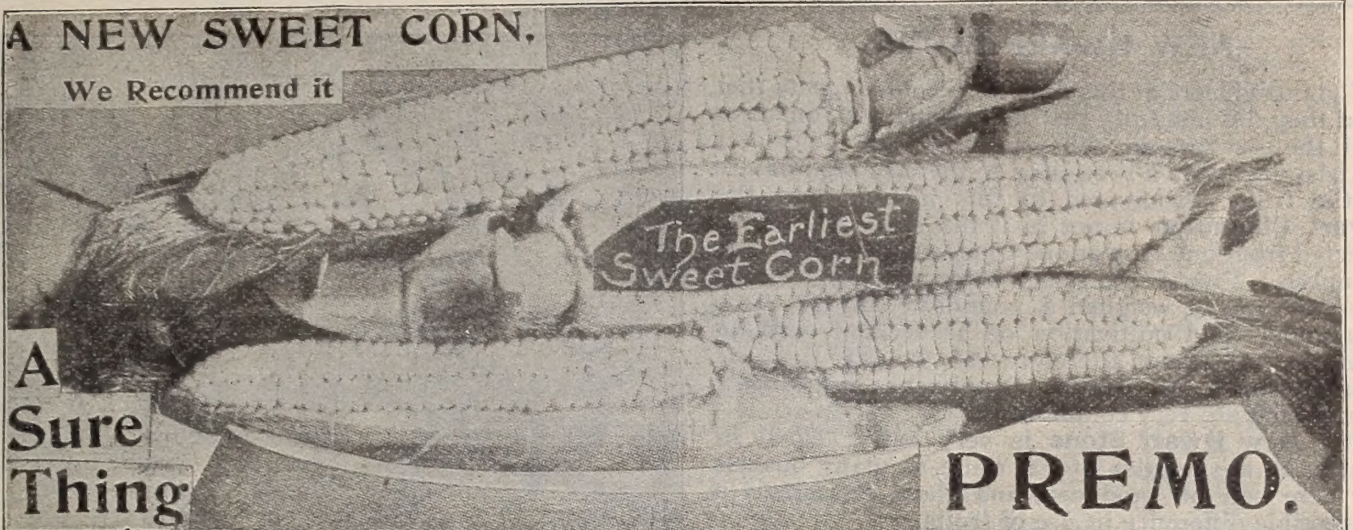
PEAS  
DUKE OF YORK.



# SWEET CORN SPECIALTIES.

A NEW SWEET CORN.

We Recommend it



A  
Sure  
Thing

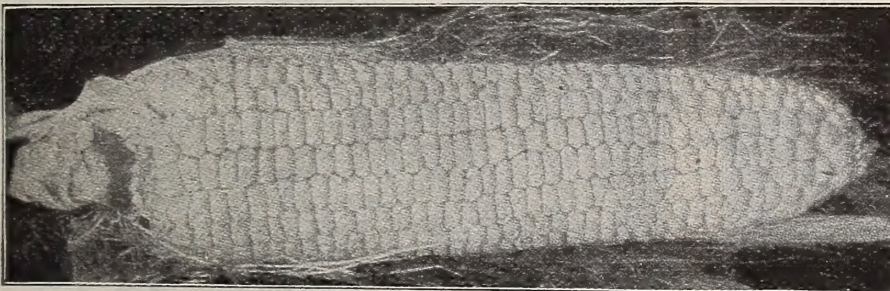
PREMO.

## PREMO SWEET CORN.

Earlier Than Dwarf Extra Early Adams.

No corn was ever introduced that gave such general satisfaction as **PREMO**. It is acknowledged by expert corn growers to be the earliest pure Sweet Corn under culture. Notwithstanding the extreme unfavorable growing conditions this season Premo produced a good yield. It not only combines all the merits of the leading early varieties, but it is also really superior to them all in size, quality and yield. Premo can be planted fully as early as the Adams, for the young plants withstand slight frost, while other varieties are tender and the seed will rot if planted before the soil becomes warm. The stalks grow about five feet high, and are very vigorous, generally bearing two well developed ears to the stalk.

Pt. 25c; Qt. 45c; 2 Qts. 65c postpaid; Pk. \$2.25; Bu. \$8.00.



EARLY SHEFFIELD.

## EARLY SHEFFIELD.

This new extra early is the result of a cross between the Cory and Extra Early Adams by Dr. Van Fleet, the well-known hybridizer. It combines the robust growth and extreme hardiness of the Extra Early Adams, with the finer sugary quality of the Cory. Ears average six inches in length and are well filled with grains of medium size, arranged in ten or twelve regular rows. The grains are juicy and of good sweet flavor if gathered at the proper stage. It is as hardy as the Adams, ready for use earlier, and of much sweeter quality. One of its strongest recommendations as a market variety is the entire freedom from smut, which so frequently destroys extra early.

Pkt. 10c; ½Pt. 20c; Pt. 25c; Qt. 40c, postpaid.  
Pk. \$1.50; Bu. \$5.00

## IMPROVED RUBY.

This variety is early, of good sized ear, well filled with large grains packed closely on the cob. The quality is extra choice. Both stalks and husks are of a handsome ruby red color, giving it a distinct character. The cob is red, while the grain is of a pure white. It is an early variety, hardy and productive, a splendid sort for either home or market gardens.

Pkt. 10c; ½Pt. 20c; Pt. 25c; Qt. 40c, postpaid.  
By express or freight: Pk. \$1.25; Bu. \$4.50

## OAKVIEW EARLY MARKET.

The introducer's description: A variety originating on our Oakview seed farm. Similar in general character to our Mammoth White Cory, but with decidedly larger ears which mature quite as early. It is of especial value to market gardeners, as in early corn the largest ears usually control the market. The plant is about four feet high; the ears large, twelve to fourteen-rowed, with white, square grains.

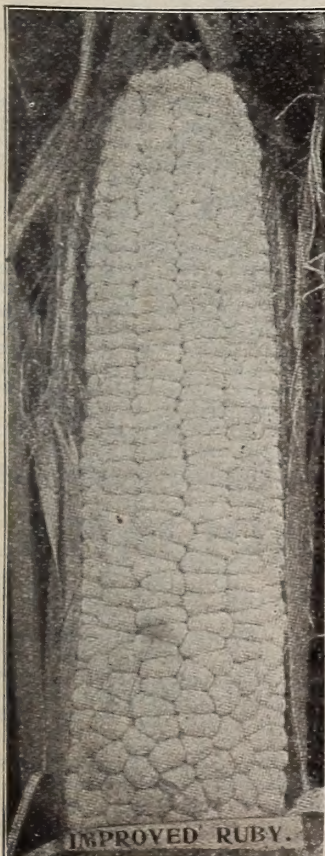
Pkt. 10c; ½Pt. 20c; Pt. 30c; Qt. 45c, postpaid.

PEEP  
O'DAY  
SWEET  
CORN



This new variety is claimed to be the **Earliest Sweet Corn on Earth**. It is of Minnesota origin and has been offered in the Minneapolis market from five to seven days earlier than any other well-known kind in the trade. Ears five inches long, perfectly formed, well filled. The corn is tender and sweet. We are very positive about the earliness of this variety, and that our customers will make no mistake in planting some of it for first early.

Pkt. 10c; ½Pt. 20; Pt. 30; Qt. 45c,  
postpaid. Pk. \$1.25; Bu. \$4.50





General List of Tomato  
Seed. Pages 62 and 63.

## TOMATO SPECIALTIES

Market gardeners should note  
our Snowball Cauliflower

### NEW DWARF STONE.

The introducers of this fine, new Tomato, state that even they did not fully realize its wonderful qualities until the past season. They say that their fields of it the past year were a revelation to them as regards size of the fruits. Compared to this new variety the **Dwarf Champion** is not in it for size. Ten fruits selected from one vine at one time, weighed 5 pounds 3 ounces. Five fruits selected by eye, for average sized specimens, weighed 2 pounds 9 ounces. This was under field cultivation, on farm land with no fertilizer. It seems, therefore, safe to say that the average size is  $\frac{1}{2}$  pound. Specimens weighing 1 pound each are very common.

The **New Dwarf Stone** is very early; equal in quality to the regular Stone; quite as many bushels per acre can be produced, and there is scarcely a perceptible difference in size of fruits.

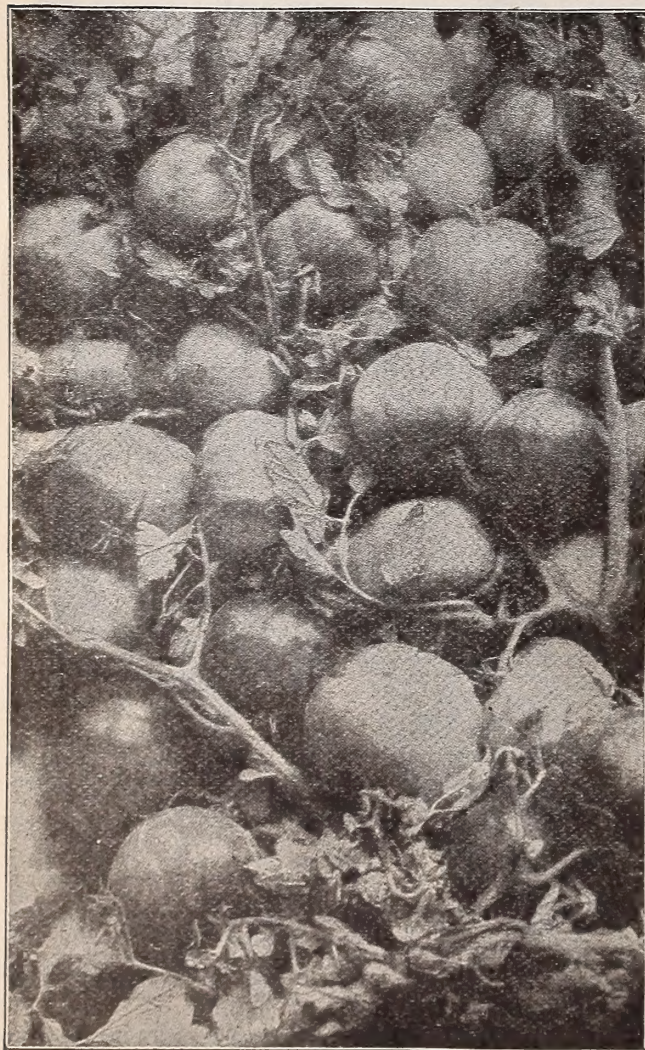
The testimonials for this splendid new Tomato are many; they come from all parts of the country and from Tomato Specialists who are known as authority where the merit of a variety is in question.

#### WE WANT YOU TO TRY IT.

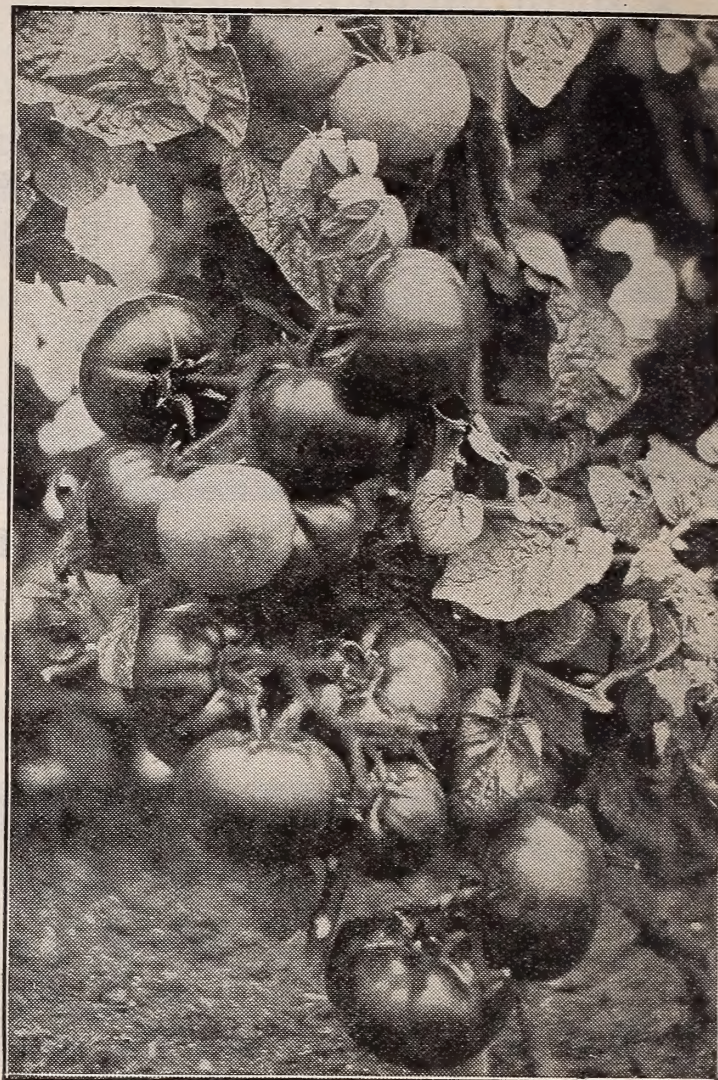
Pkt 10c. Three for 25c.  $\frac{1}{2}$  ounce 30c. Ounce 50c. 3 ounces \$1 00.

LARGEST  
DWARF RED  
KNOWN.

DOUBLE  
THE SIZE OF  
ARISTOCRAT.



SPARKS' EARLIANA.



NEW DWARF STONE.

### THE THORBURN CENTURY TOMATO.

This fine new Tomato is quite distinct, very large, extremely productive, and as early as Atlantic Prize. The fruits are of a fine, dark scarlet color, perfectly smooth, thick, and always full and plump.

Pkt. 10c.  $\frac{1}{2}$  ounce 25c. Ounce 45c

### MODEL TOMATO.

A new variety of great merit. The introducers describe it as follows: Foliage is very large, broad, very deep, dark green, and is heavily blistered. The fruit is first-class in size, measuring on an average of 4 inches in diameter to  $2\frac{3}{4}$  inches high, smooth, very neat, and of best quality; color: deep, brilliant scarlet. The plants are of bush form (similar to Dwarf Champion), holding the fruit well off the ground. It is the best sort we know for planting on rich, moist land, where the long-vined sorts will often decay. It is one of the first to ripen, which, with its brilliant color, grand size, fine shape and freedom from an "earthy" taste, makes it valuable to all Tomato growers.

Pkt. 10c.; Three for 25c.  $\frac{1}{2}$  ounce 25c. Ounce 40c.

## SPARKS' EARLIANA.

Said to be the Earliest Large Tomato in the World.

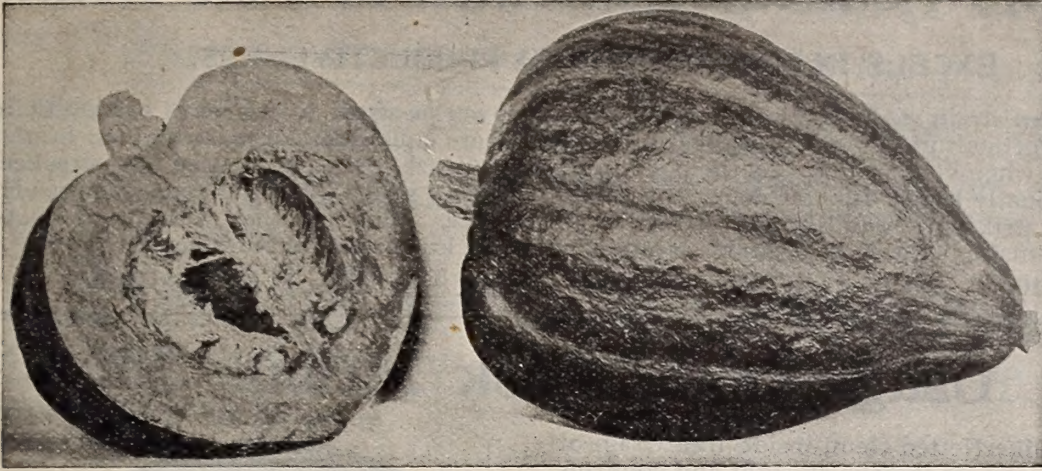
This Tomato is not only remarkable for its earliness, but for its very large size, handsome shape and bright, red color. Its solidity and fine quality are quite equal to the best medium and late sorts. From less than 4,000 hills the originator realized from his first pickings \$725.00 clear of freight and commission, being in the market fully a week before all others.

Sparks' Earliana is as near seedless as any Tomato we ever saw, containing less than one-fourth the seed of other varieties, and for this reason the genuine seed can never be sold at a low price.

Pkt. 10c.  $\frac{1}{2}$  ounce 25c. Ounce 50c. 2 ounce 85c.  
 $\frac{1}{4}$  lb. \$1.40. Lb. \$5.00.



# THE DELICIOUS SQUASH.



THE NEW DELICIOUS SQUASH.

## A NEW VARIETY—TRY IT!

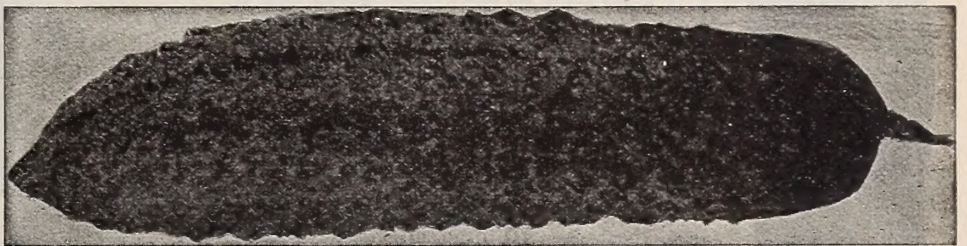
This fine variety has fully confirmed all that was said for it last season. Its color is almost uniformly of a green shade, with occasionally a blue specimen, it being just about as pure in this respect as was the original Hubbard. In size it also closely follows the original Hubbard, which weighed between five and ten pounds. In thickness of flesh it surpasses nearly every variety, the color being a dark orange. For table use no squash compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, and, like the old Hubbard, it is at any time excellent, although it does not acquire its best quality until winter.

Pkt. 10c.; 3 for 25c.  
Oz. 30c.  $\frac{1}{4}$  lb. \$1. Lb. \$3.50.

**The Best Pickling Cucumber Known.**  
"We honestly believe this to be the best pickling cucumber ever produced."—C. P. Coy & Co.

The variety is of the hardy, White Spine type, is a rapid, strong and vigorous grower and very prolific in fruit. The pickles differ from all other hardy sorts in being thickly set with fine spines over the entire surface, except the extreme stem end; and during the whole period of growth, from the time they first set until fully grown, the form is exceptionally straight and symmetrical, thus being as choice as a slicing variety as it is for pickles. The flesh is firm, but very crisp and tender at all stages. Pkt. 5c. Oz. 20c.  $\frac{1}{4}$  Lb. 75c. Lb. \$3.00. Postpaid.

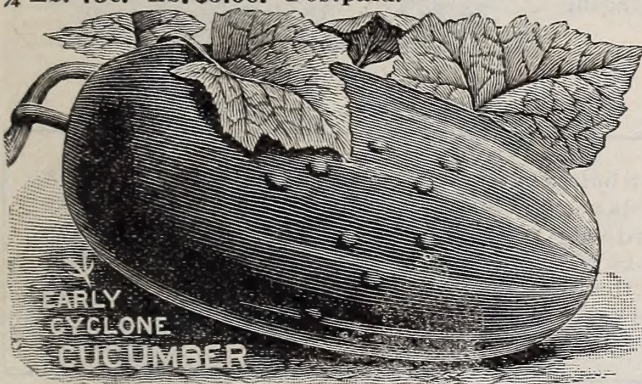
## THE CUMBERLAND CUCUMBER.



THE CUMBERLAND CUCUMBER.

## EARLY CYCLONE CUCUMBER.

This is one of the earliest cucumbers in cultivation and is of the most desirable White Spine type. It is shorter and thicker, and holding its deep green color better than any White Spine or other early cucumber in cultivation. Pkt. 5c. Oz. 20c.  $\frac{1}{4}$  Lb. 50c. Lb. \$2.00. Postpaid.



**CUCUMBER SEED** is just as scarce this year as last. Prices are high, and we can only promise that those who "first come will be first served." Early orders are advised.

## A NEW WATER MELON.

### GILBERT'S SUCCESS.

We give the originator's description of this fine new Water Melon: "As a shipper I realize the want of a dark rind, medium sized melon. I went to work to perfect a cross between Sweetheart and Triumph (two of the best sorts for shipping ever offered before), and for three years careful selection and culture, I now have a perfect melon. I was so successful in crossing them that I named it Success.

"Dark mottled green rind, has very cool appearance, very prolific, flesh deep red" There have never been before the American people a melon offered as a shipper better than Triumph with but one exception, and that is it grows too large to be so profitable to the shipper. This was my views in crossing Sweetheart and Triumph. Success will stand as well as Kolb Gem or Triumph, and is a fine table melon. Pkt. 5c. Oz. 10c.  $\frac{1}{4}$  Lb. 35c. Lb. \$1.00. Postpaid.

"Leonard's Seeds are always the best. Your Snowball Cauliflower is ahead of any strain of that important variety that I have secured in my twenty-eight years' experience in gardening."

GEO. FERGUSON.



GILBERT'S SUCCESS WATER MELON.



# Golden Carmine Podded Horticultural Pole Bean.

EXCELS IN EARLINESS AND PRODUCTIVENESS.

In this new strain we have a wonderfully robust grower, a week to ten days earlier than Worcester Horticultural Pole. In comparison, the pods are equally as large, stringless, bright golden color when very young. As the pods approach full size, they are mottled and streaked with an unusually bright carmine color on the bright golden, which gives the pods when ready for market a strikingly beautiful and attractive appearance. This, together with its productiveness, will make it the most desirable strain of this well known and popular bean.

Pkt., 10c.;  $\frac{1}{2}$ -Pt., 25c.; Pt., 35c.; Qt., 60c.; Two Qts., \$1.00 Postpaid.

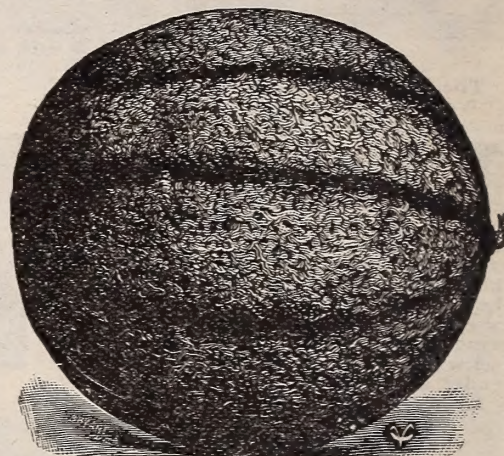
## Osage Gem Musk Melon.

Outside like Netted Gem, inside like Osage or Paul Rose, it pleases the eye on sight and confirms the impression by its color and exquisite flavor when cut.

This new hybrid of original Osage and Netted Gem much resembles Paul Rose in size and inside salmon flesh, but in outside skin and netting it is exactly like the oval Netted Gem with the best style of netting.

It has two great advantages for the gardener. First, it will sell for highest prices in any market where Gems are popular, on the appearance as a first-class type of that variety. Second, when cut it will please all customers who prefer a salmon flesh, and will sell on its merit as a table quality, which, when well grown, is first-class, averaging good right through the crop.

Pkt., 5c., Oz., 10c.;  $\frac{1}{4}$ -lb., 25c.;  
Lb., \$1.00 Postpaid.



Osage Gem Melon.

It is doubtful if any other seedsmen have better or as good opportunities as we for finding out the merits or the faults of vegetable seeds used by market planters. For many years we have filled the seed orders of the large majority of the Chicago market gardeners. The varied requirements and extensive plantings of the market gardeners of so great a city as Chicago offers a field unsurpassed for practical demonstration of the value to them—and others who plant for profit—of superior stocks. **NO OTHER LARGE DEALERS IN GARDEN SEEDS HAVE OUR ADVANTAGES IN THIS RESPECT.**

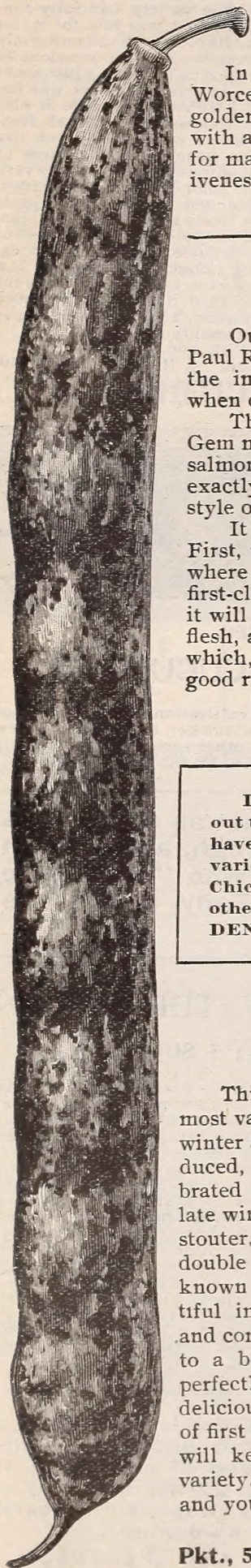
## Winter Queen Celery.

This is without doubt, the most valuable variety of celery for winter and spring use ever introduced, even excelling the celebrated Perfection Heartwell as a late winter keeper. It is also much stouter, thicker and heavier, with double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white, ribs perfectly solid, crisp, and of a delicious nutty flavor. It is worthy of first place as a late celery, and will keep longer than any other variety. Grow Winter Queen once and you will grow it always.

Pkt., 5c.; Oz., 20c.;  $\frac{1}{4}$ -lb., 50c.;  
Lb., \$1.50 Postpaid.



Winter Queen Celery.





## VEGETABLE LEADERS.

Superior Stocks are necessary to the prosperity of the Market Planter. The inferior article may be more attractive at the beginning because it costs less but the Superior Seed gives the more valuable product.

You cannot afford to do without the best. On this page and the next one, also on pages 9 and 10, we quote Vegetable Leaders that are Winners.



LEONARD'S SNOWBALL CAULIFLOWER.

Photograph of Three Average Heads.

Grown by Wm. Rudenga, a successful Chicago gardener.

## LEONARD'S SNOWBALL CAULIFLOWER

The leading Cauliflower at Chicago, and unquestionably the purest strain of "Snowball" Cauliflower seed to be had. Heads uniform; of desirable market size and of snowy whiteness.

After seven years' competitive tests it is pronounced by expert cauliflower growers to be the best for both **early** and **late** planting. Successful frame growers of cauliflower say that under glass culture our Snowball outclasses any strain of cauliflower seed known to them. There are many expert cauliflower growers at Chicago, none better anywhere that we are aware of, other strains of snowball seed are well known to them and this strain of ours is their favorite for **early**, for **late** and for **forcing**. Strong recommendations surely.

### Note the Prices

Mailing Pkts, 15c;  $\frac{1}{4}$ -Oz. 65c;  $\frac{1}{2}$ -Oz. \$1.25  
Oz., \$2.00;  $\frac{1}{4}$ -Lb., \$8.00; Lb., \$32.00

## A Few of the Many Testimonials.

"Leonard's seeds are always the best. Your Snowball cauliflower is ahead of any strain of that important variety that I have secured in my twenty-eight years' experience in gardening."

GEO. FERGUSON.

"I had the largest and finest cauliflower on the market last year. I raised it from your strain of Early Snowball. It is the best Snowball seed I ever planted."

G. BRAMBERGER.

"I am fully satisfied with your cauliflower seed."

FRED HINE.

"Your Snowball cauliflower is all right, and I think there will be a larger demand than ever for it next spring."

MARTIN HOCKSTRA.

"Your Snowball cauliflower seed gives more plants and more fine heads to the ounce than any other. It is the best Snowball cauliflower."

—Chicago Gardeners.

This from a dealer in our seeds in one of our best market garden districts.

"The growers in this section are so well satisfied with your Snowball cauliflower that no talk is needed to sell it. They simply say: 'Give me Leonard's Snowball in the ounce packages with the green seal on them.'"

"Your Snowball cauliflower suits me better than any other stock I have tried, and I think I have tried all the 'gilt-edged' kinds from the Carrara Rock, introduced by Cowan & Co. of New York in 1879, up to and since the introduction of your Snowball in 1896."

H. BAKER.



# THE HOLLAND CABBAGE.

## LEONARD'S STRAIN.



HOLLAND CABBAGE, LEONARD'S STRAIN.

formity have met the requirements of the large cabbage growers of Chicago, Racine and other Holland cabbage shipping points, and which have made for us a reputation for handling the **best strain** of this important article. We introduced the seed as **LEONARD'S STRAIN** and our sales are only limited by the quantity of seed our grower can produce. We do not hesitate to say that Leonard's strain of Holland cabbage is the purest to be had.

"Your Holland cabbage seed is the best strain I ever had. Put me up a pound of it for next year."

R. F. DILGER, Rose Hill, Ill.

"The Holland cabbage seed I buy from you is the only safe stock I can get. Put up a pound for me and keep it till I bring in the rest of my order."

JOHN WAGNER, Clyde, Ill.

"Will you have the same kind of Holland cabbage seed as I got last year? If so I want you to save my usual quantity till I can get in for it."

—Hundreds of the Chicago gardeners.

Pkt., 10c.; Oz., 25c.; 1-4 Lb., 75c.

Price, Per lb., \$3.00

**The Heaviest Cabbage for the Size of Head Ever Introduced.**

This cabbage in many localities is the most popular for winter and early spring marketing. It is heavy and remains solid longer than any other long keeping cabbage. For winter shipping it is unsurpassed. **The main question for the grower** to solve is where to get the genuine seed, for the popularity and paying qualities of the cabbage itself, when **it is right**, are points long ago decided.

Seed of the **true Holland Cabbage** is not plentiful; it is produced on a limited area at one or two points only. Seed grown anywhere else deteriorates, fails to show up the proper characteristics and is but a very unsatisfactory substitute. Since 1896 we have succeeded in securing the seed crops of a grower of this cabbage which for uni-



LEONARD'S FAULTLESS CABBAGE.

## LEONARD'S FAULTLESS CABBAGE

**IS NOW AND FOR TEN YEARS HAS BEEN THE FAVORITE SECOND EARLY CABBAGE AT CHICAGO.**

The product of this seed out-sells any other second early cabbage two to one on the home market. It can be marketed in the early summer; during midsummer, in the fall and early winter, making it the best all purpose variety ever introduced. It is popular alike with the grocer, kraut maker and shipper. It is possessed of earliness, large size, compactness and will produce more salable heads to the acre than any other stock we know of. It is of the succession type, but is earlier, head is rounder, sits out of the under leaves higher, has a darker color of leaf and can be planted closer. Pkt., 10c.; Oz., 25c.; 1-4 Lb., 75c.

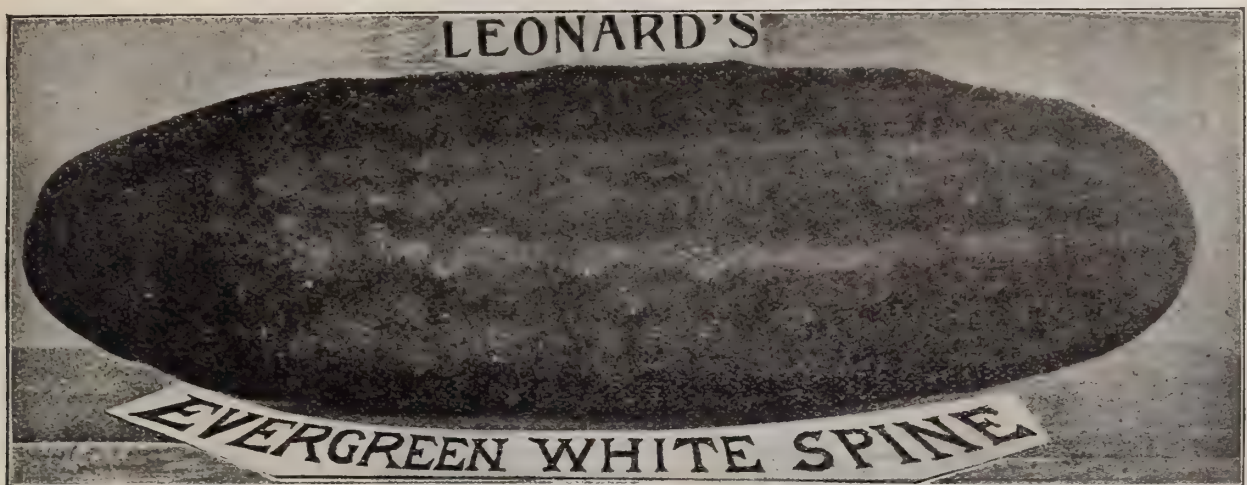
**THERE IS NO SUBSTITUTE FOR THIS CABBAGE, THE STRAIN IS DISTINCT AND CAN BE HAD FROM ONE SOURCE ONLY.**

**Pound, \$3.00**



# The Best Cucumber

FOR THE HOT BED, THE GREENHOUSE, OR FOR THE OPEN GROUND.



Our Evergreen White Spine Cucumber has a record unsurpassed for the hot bed, the greenhouse, or for outdoor culture. It makes that "fine shaped, splendid colored, slicing cucumber" which is called for so often by the grocers on our markets. They say it is the best seller they ever got hold of. The earliest and most productive variety. Long, straight, and of rich deep green color throughout. Brings more money per dozen on the street than any other variety. Our strain is constantly being improved, and remains in a green, fresh looking state longer than any other cucumber. **The Best White Spine.**

Prices: Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.



LEONARD'S DANVERS CARROT.

## Leonard's Danvers Carrot.

Uniformity of shape and color is the desirable thing in a Danver's Carrot. The grower appreciates this at digging time. For many years our stock has given the best satisfaction—it is **uniform in shape and Color.** Our stock comes from the same grower each year and has kept its lead for eighteen years.

Better stock is not produced. All carrot growers who want to make money should plant Leonard's Danver's.

Prices, Pkt., 5c; oz., 10c; 1-4 lb., 20c; lb., 70c.

## Leonard's St. Louis Head Lettuce.

The Old Stand-by for a Sure Crop.

Some of the newly named varieties grow to larger size, but none have the character of being so sure to make a uniform head through good season or bad season. It is a safe, well tried, well known variety.

It is all right to try the others—we have them—but a better head lettuce than this for the every day market has not been found yet.

Prices, Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 90c.



LEONARD'S ST. LOUIS HEAD LETTUCE.



# LEONARD'S YELLOW GLOBE ONION.



LEONARD'S YELLOW GLOBE ONION.

**T**HE most popular onion seed for a market crop at Chicago is **Leonard's Yellow Globe**. The soil around Chicago is particularly adapted for onion growing. The size of the town makes a large market. The high price is paid for the best article, consequently seed that produces the best onion is the most popular.

It is the same in any other growing section where a yellow skinned sort is needed. A trial of our Yellow Globe Seed is sufficient to make good our claims for it as a superior, uniform and paying stock of onion seed.



## READ THIS:

**IT COMES FROM SPECIALISTS.**

I take the liberty to send you a small box with a sample of onions that were grown from your seeds. Some of them were grown by John Phend and some by Wilson Slabaugh. These onions show what good seed will do with proper cultivation. Hope to hear from you as to what you think of the onions. **Your Yellow Globe Onion is a Splendid Stock.**

B. S. FRAZIER.



Pkt. 5c; oz. 15c; 1-4 lb 50c.  
Lb., \$1.50; 10 lbs., \$14.00.

## LEONARD'S RED GLOBE ONION

Where a red skinned onion is desired this is the strain for success. South of the city the red onion is the one most grown, as the growers in that section rely upon St. Louis and other southern markets for an outlet.

The **deep dark red** color of our Red Globe is one of its superior points, while in shape and size it is a counterpart of our popular Yellow Globe.

In the Michigan, Indiana and Ohio onion sections as well as in Illinois and Iowa this strain of Red Globe produces the prize winning red onions.

Where competition is keen it will pay large returns for the additional cost of the seed.

Pkt. 5c; oz. 15c; 1-4 lb. 50c.  
Lb., \$1.50; 10 lbs., \$14.00.

## LEONARD'S WHITE GLOBE ONION

White skinned onions when successfully grown are by all means the handsomest and will usually bring more money per bushel than either of the other colors. It is harder to grow them to perfection than red or yellow, but many large growers score big returns from a crop of whites. This strain of White Globe is uniform in size and shape with our Yellow and Red Globe.

It is the variety the Chicago gardeners use for bunching for early market, and for that purpose is the most popular strain of onion at Chicago. There is money in it for any good onion grower.

Pkt. 5c; oz. 15c; 1-4 lb. 50c.  
Lb., \$2.00; 10 lbs., \$17.50.

**The Onion Seed Specialties here offered are worth many times their cost to any market grower, and the satisfaction they will give to the consumer will increase the profits of the gardener who grows them.**

It is doubtful if any other seedsmen have better or as good opportunities as we for finding out the merits or the faults of vegetable seeds used by market planters. For many years we have filled the seed orders of the large majority of the Chicago market gardeners. The varied requirements and extensive plantings of the market gardeners of so great a city as Chicago offers a field unsurpassed for practical demonstration of the value to them—and others who plant for profit—of superior stocks. **NO OTHER LARGE DEALERS IN GARDEN SEEDS HAVE OUR ADVANTAGES IN THIS RESPECT.**



## ALL SEASON'S LETTUCE.



ALL SEASON'S LETTUCE.

NOTE OUR ONION SEED  
ON PAGES 46 AND 47.

A newly-named Butter Head Lettuce. It is described by the introducers as follows: "Without a doubt, this is one of the best All-Head Lettuces. It forms a very large, solid head, almost as large as a Flat Dutch Cabbage; the flavor is excellent; the inner leaves very tender, slow to go to seed. The heads are of enormous size, very handsome; the leaves, a beautiful light green; a very profitable sort for the market gardener, and excellent for the home garden. For early or late sowing." Our own tests of this Lettuce shows it to be an excellent Butter Head variety, making a good-sized head, equal to Deacon in this respect, which variety it resembles very much, but has more outside leaves, and for this reason appears to have a larger head. The seed is brown, the head crisp and tender, and aside from the one fault of having rather too much outside leaf for withstanding an adverse season, is a splendid Butter Lettuce. We cannot say it is as good a Lettuce for the market gardener as either Deacon or St. Louis, but it is well worth trying.

Pkt., 5c; Oz., 10c;  $\frac{1}{4}$ -Lb., 25c; Lb., \$1.00; postpaid.



LEONARD'S EGYPTIAN BEET.

## LEONARD'S EGYPTIAN BEET.

This is the earliest and best bunching beet for market gardeners. Our strain produces the first early beets on the Chicago market. Thick, smooth, and very deep red. Good size, sweet and tender.

Prices: Oz., 5c;  $\frac{1}{4}$ -Lb., 15c; Lb., 50c; 5 Lbs., \$2.25.



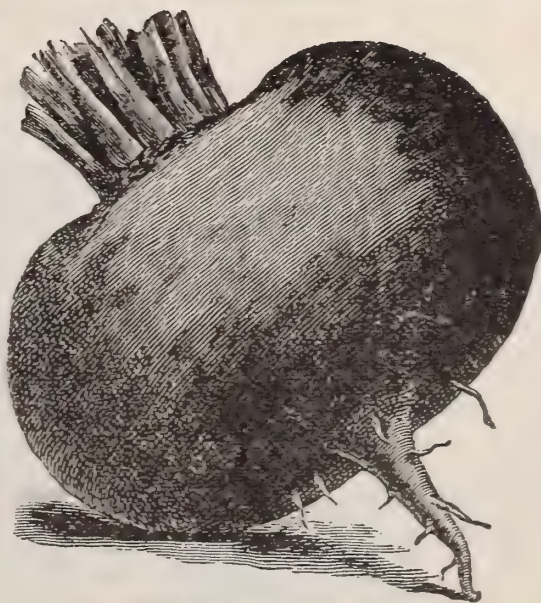
CRIMSON GLOBE BEET.

## CRIMSON GLOBE BEET.

This is one of the finest beets yet introduced. Roots are not large, but very handsome. Round, and a clean, smooth surface. Leaves very small, with slender stems. We can recommend this beet for bunching, as its color and shape make them quick sellers.

Prices: Oz., 5c;  $\frac{1}{4}$ -Lb., 15c; Lb., 50c; 5 Lbs., \$2.25.

Our specialty is the Market Garden Trade. Our stocks of Cabbage, Cauliflower, Onion, Celery, Radish, etc., are grown and selected to meet the requirements of this critical class of buyers. Our prices are low, considering the exceptional quality of our goods.



CROSBY'S EGYPTIAN BEET.

## CROSBY'S EGYPTIAN BEET.

A few days later than the Leonard's strain. A very desirable sort for early market. Of finer quality than the old Egyptian. Thick, smooth, sweet, and almost black in color.

Prices: Oz., 5c;  $\frac{1}{4}$ -Lb., 15c; Lb., 45c; 5 Lbs., \$2.00



## NOVELTIES AND SPECIALTIES IN

The following five pages of Flower Seed Specialties are reminders—that although our house is best known through its Vegetable Seed Specialties—we are also in the front rank for Flower Seeds. Ours is the largest garden seed business in Chicago.

# FLOWER SEEDS

FOR 1904.

**"INCOMPARABLE" COLLECTION OF  
Sweet Peas.**

This collection is made up of the very choicest sorts—varieties that have the endorsement of the leading American and European specialist—and it would be impossible to select another similar collection out of the vast number of sorts now in commerce that would combine, in the same degree, all the qualities which go to make up first-class varieties. **America.** Bright blood-red striped on a white ground.

**Blanche Ferry Extra Early.** The popular pink and white.  
**Coccinea.** Rich brilliant cerise.  
**Countess Cadogan.** The brightest blue.  
**Dorothy Tennant.** Deep mauve; a lovely shade.  
**Duke of Clarence.** Dark claret; a fine dark sort.  
**Gorgeous.** Bright Orange, wings rose-tinged orange.  
**Lady Grisel Hamilton.** The finest pale lavender.  
**Lady Mary Currie.** Bright Crimson orange.  
**Lottie Eckford.** White shaded and edged lavender-blue.  
**Prince of Wales.** The finest bright rose.  
**Queen Victoria.** Primrose-Yellow.  
**Sadie Burpee.** Very large pure white.  
**Salopian.** Deep scarlet or cardinal; the finest red.  
**Stella Morse.** Primrose, tinged blush; effect a rich cream color.  
**Lovely.** Soft shell-pink; an exquisite shade.  
**Modesty.** The most delicate shade of all the pinks.  
**Navy Blue.** Deep indigo-blue.  
**Othello.** Very dark maroon.  
**Prima Donna.** A magnificent pure pink.  
**Prince Edward of York.** Scarlet tinged crimson.



OTHELLO SWEET PEAS.

**Price:** Any of the above, 5 cts per pkt.; 10 cts. per oz.; 20 cts. per  $\frac{1}{4}$  lb.; 50 cts. per lb.

**Collection of a packet each of 21 "incomparable" varieties, 60 cts., or 1 oz. of each \$1.00, postpaid.**

**For complete list of Sweet Peas see pages 98 and 99.**

## Superb Nasturtiums.

For ease of culture, duration of bloom brilliancy of coloring and general excellence nothing excels Nasturtiums. All they need is a moderately good soil in a well drained, sunny position, and from within a few weeks from the time they are sown until hard frost comes there is an endless profusion of their gorgeous blossoms.

The identical colors can be had in either the Tall, or Climbing, or Dwarf, or Tom Thumb types. The former grow 5 to 6 feet high, and are unexcelled for growing on fences, trellis, or trailing over rocks and rough ground, etc., while the Tom Thumbs are leading subjects for beds or borders, and both are largely in demand for use in hanging-baskets, vases, window-boxes, etc., etc.

### Either Dwarf or Tall Varieties.

### In Ordering State Whether You Want Dwarf or Tall.

**Dwarf or Tall Spotted.** Rich Orange-Yellow, spotted crimson.

" " " **Prince Henry.** Creamy white, spotted and tipped with scarlet.

“ “ “ **Chameleon.** This variety bears different-colored flowers on the same plant; the flower shown is one of the most frequently seen combinations.

“ “ “ **Chocolate.** A unique color, Odd.

“ **Crimson.** Rich and velvety.

“ “ “ Orange. Pure orange, without markings of any kind.

" " " Pearl. Creamy white.

" " " **King Theodore.** Deep crimson-maroon, with black shadings.

" " " **Vesuvius.** Salmony-rose; an exquisite shade.

“ “ “ **Rose.** A lovely deep shade.

**Price:** Any of the above, 5 cts. per pkt.; 10 cts. per oz.

[illegible]

**For complete list of Nasturtiums see page 93.**



**SUPERB COLLECTION  
OF  
NASTURTIUMS.**



## PANSIES.

Pansies are too well known to require any description, as they are favorites with all. For spring flowering the seed should be sown in autumn and protected during the winter. For summer blooming sow seed before the end of March, and plant out where they will be afforded some shade from the noonday sun. Pansies require fresh soil, enriched with decomposed manure.

### PANSIES IN SEPARATE COLORS.

See Pages 94 and 95.

### PANSY (MASTERPIECE.)

#### GIANT CURLED.

Our seed is true and pure from the originator. This strain comes nearer to Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking.....Pkt. 10c.



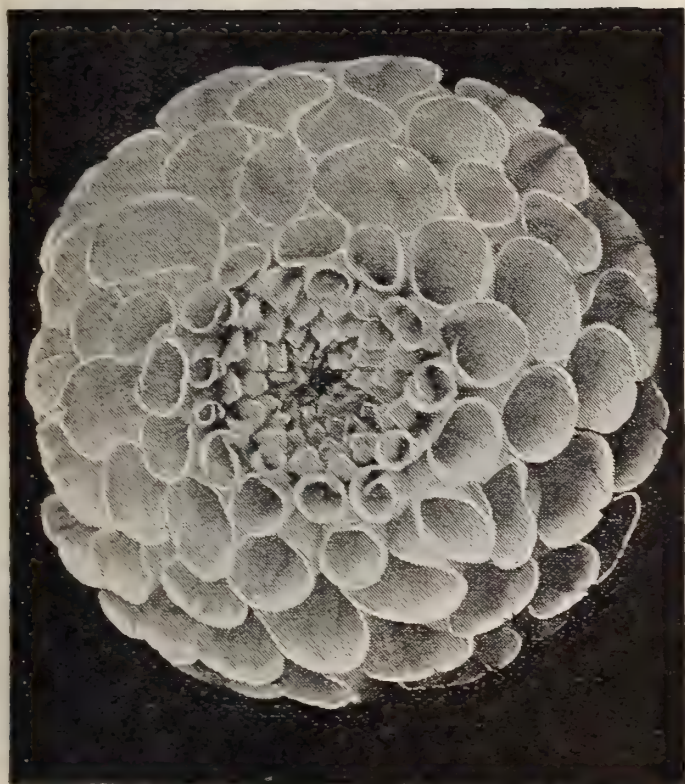
PANSY—Masterpiece.

Regular Flower Seed List  
begins at page 82.

## BEST SHOW AND FANCY DAHLIAS.

- American Flag.** Pure white striped crimson.
- A. D. Livoni.** A clear and beautiful soft pink with quilled petals.
- Arabella.** Faint primrose tinged bright rose.
- C. W. Burton.** Rich golden yellow.
- Claribel.** Very large deep rich purple.
- Crimson Ball.** Bright crimson purple.
- Grand Duke Alexis.** Very large white shaded with soft lavender.
- Nymphaea.** Beautiful soft pink with a light center.
- Queen Victoria.** Rich yellow, finely quilled.
- Topsy.** Intense bright red.
- Zulu.** Rich glowing jet black changing to deep maroon.

Any of the above named Dahlias  
15 cts. each, \$1.50 per doz. Prepaid by mail.  
Large dry roots.



ARABELLA DAHLIA.

### CACTUS DAHLIAS.

- Blanche Keith.** Rich Canary yellow.
  - Geo. Marlow.** Primrose yellow shaded amber.
  - Gloriosa.** Glowing crimson scarlet.
  - Matchless.** Deep maroon shaded black.
  - Mrs. Peart.** Finest pure White.
  - Mrs. Baldwin.** Bright orange scarlet.
  - Any Cactus Dahlia
- 15 cts. each, \$1.50 per doz. Prepaid by Mail.  
Large dry roots.

### ARCTOTIS GRANDIS:

#### AFRICAN LILAC DAISY.

A magnificent handsome annual from Africa. Growing luxuriantly and forming profusely branched bushes of about 2 to 2½ feet in height and breadth. The leaves are soft and whitish. Its flower-heads, borne on long stems and rising well above the foliage, are large and showy, from 2½ to 3 inches across; being pure white on the upper surface, reverse of petals pale lilac. Under the influence of bright sunlight the flowers spread out almost flat, and the pure white of the ray florets contrasts beautifully to the light blue disk with its slightly projecting white stamens, a lovely combination of colors. Being of very easy culture, the plants produce their splendid flowers most abundantly and in constant succession from early Summer to the Autumn.

Seed per package, 10c.



ARCTOTIS GRANDIS.



# Leonard's Special Strains of Popular Flowers.

## PETUNIAS.

For outdoor decoration or house culture, few plants are equal to this class. They commence to bloom early, and continue to flower through the summer. Give them rich soil and a sunny place.

### SINGLE VARIETIES.

Single Large Flowering, Mixed, all colors.....Pkt. 10c.  
Fine Mixed, all colors ..... " 5c.

### LARGE FLOWERING DOUBLE PETUNIAS.

Grand, rich, velvety flowers of the largest size. All colors and shades, beautifully veined. Most of the flowers are fringed, and our seed will produce a far greater per cent of double flowers than any other strain.....Pkt. 25c.

It is well known that seed saved from the most carefully hybridized flowers produces but a small percentage of double flowers, the balance being singles of unusually fine quality. The weaker seedlings should be carefully saved, as these invariably produce the finest double flowers.



Large Flowering Phlox.

General  
Flower  
List  
Page 82

## SUPERB ASTERS.

Of the general beauty of these flowers it is unnecessary to speak; the immense world-wide demand for them shows their adaptability for any climate; and, coming into bloom, as they do, when most other flowers are fading away, enhances their value. For the best results the ground for the cultivation of Asters cannot be too richly prepared, although they will give satisfactory returns on any ordinary garden soil.

Leonard's Prize Mixture, Victoria.....Pkt. 10c.  
" " " Comet..... " 10c.  
" " " Quilled ..... " 10c.  
" " " Branching ..... " 10c.  
" " " Peony Flowered ..... " 10c.

### CHRISTMAS TREE ASTER.

This Aster has a pyramidal branching form of growth, giving it the shape of a miniature tree. A very early profuse bloomer, growing about fifteen inches high, but covering an area of from twenty inches to two feet in diameter. Perfect double flowers, all colors, mixed.....Pkt. 10c.



Large Flowering Double Petunia.

## PHLOX DRUMMONDI.

Of all summer-flowering annuals the varieties of Phlox Drummondii are unquestionably one of the most brilliant and satisfactory. Seed may be sown in the open ground any time after danger from frost is past, and in a few weeks the beds or borders are aglow with their brilliant coloring, and remain so until cut down by frost. For early flowering they should be started indoors or in a hotbed.

Phlox Drummondii, Mixed colors.....Per Oz. 50c. Pkt. 5c.

### LARGE-FLOWERING PHLOX.

The largest flowering of the annual Phloxes. Nothing can compare with this indispensable summer flower for beds, massing, etc. Our strain is very select. Large perfect types of most beautiful colors, shades and marking. Strong robust growers.

Large Flowering Phlox, Mixed colors .....Pkt. 10c



Christmas Tree Aster.

Asters  
Separate  
Colors  
Page 83



## POPULAR HARDY SHRUBS AND PLANTS.



JAPANESE IRIS.

**Subcordata.** (White Day Lily.) A beautiful plant for partly shady places, large, round, heart shaped leaves, forming large clumps, over which the clusters of pure white, fragrant flowers are thrown. Each, 20c.; by mail, 25c.

## CROWN DAY LILY.

The flowers are produced in clusters. They are a bright orange yellow, and each petal is marked with a large crimson blotch. Sweet scented. Each, 10c.; by mail, 20c.

## HYDRANGEA PANICULATA GRANDIFLORA.

This is a grand plant; very showy and attractive, lasting in bloom for months. Without question the finest hardy shrub. Grows three to four feet high, and is very bushy and compact. Blooms in July, at a time when no other shrub is in flower, and the flowers remain beautiful until destroyed by frost. The flowers are pure white, afterward changing to pink, and are borne in immense pyramidal clusters more than a foot long and nearly a foot in diameter. Will bloom same season planted. Fine plants. Each, 25c., by express.

## HOLLYHOCKS.

**Superb Double.** The distinctive character and massive beauty of the hollyhocks render them unrivaled. For distinct effect in large groups they are matchless; nothing makes a finer display. They remain in bloom so long and are so effective that few plants equal them for summer blooming. Finest prize varieties—pink, yellow, white, crimson, etc. Each, 10c.; by mail, 15c.

## LILAC

(*Syringa*.)

**Common Purple.** (*S. vulgaris*.) Fine plants, well budded. Each, 25c. to 50c., by express.

**Common White.** (*S. vulgaris alba*.) The white flowered variety; well budded. Each, 25c. to 50c., by express.

## ROSE OF SHARON.

(*Althea*.)

Well known shrub, blooming in August and September. Assorted named varieties. Each, 20c., by express.

## JAPANESE IRIS.

These magnificent iris are among the most beautiful of our summer flowering plants. They commence blooming about the middle of June, and continue in bloom for five or six weeks. Many of the flowers measure eight to ten inches in diameter. Every shade and hue can be found beautifully blended in these gorgeous plants. Each, 20c.

## GERMAN IRIS.

(*Fleur de Lis*.)

Iris, the Greek name for the rainbow, has been given these plants on account of the royal coloring of the flowers. They are commonly called the Garden Orchid, because in their delicate tints and shadings of color, and remarkably curious formation of flower, they rival those floral gems of the tropics. They flourish in any kind of soil. Each, 15c.; by mail 20c.

## BLEEDING HEART.

(*Dielytra Spectabilis*.)

An old, but beautiful hardy plant, blooming very early in spring, flowering on long, graceful, pendulous stems. Each, 20c.; by mail, 25c.

## AQUILEGIA.

(*Columbine*.)

These are old favorites, and are very satisfactory. Each, 15c.; by mail, 20c.

## DEUTZIA.

A very desirable flowering shrub.

**Double White.** Each, 20c., by express.

## FOXGLOVE.

(*Digitalis*.)

An indispensable adjunct to the old fashioned garden; indispensable in any collection of hardy herbaceous shrubbery, the bright foliage and stately, showy spikes of bloom producing a fine effect. The most improved varieties, comprising an endless variety of colors. Each, 10c.; by mail 15c.

## DELPHINIUM.

(*Larkspur*.)

**Formosum.** An improved variety of the old fashioned larkspur. The grandest hardy blue summer flowering plant. It begins to bloom early in spring, and continues all summer. A beautiful, showy plant. Each, 10c.; by mail, 15c.

## COREOPSIS LANCEOLATA.

(*The Perpetual Golden Coreopsis*.)

Gives a constant succession of the most brilliant golden yellow flowers, as large as a silver dollar, growing on long, slender stems two feet high. The beauty of these flowers is unequalled by any yellow flower that we know of, and the long stems fit them for cutting for the house. Each, 10c.; by mail, 20c.



CROWN DAY LILY.



# HARDY LILIES AND OTHER BULBS.

## LILIES.



SPIDER LILY.

### TIGRIDIAS.

#### (PEACOCK OR SHELL FLOWER.)

Extremely handsome summer flowering bulbs, growing about two feet high, producing large, gorgeous flowers, exquisitely spotted. They flower very freely throughout the summer. (See Cut.)

**Conchiflora.** Dark yellow, large, red spots. Each 5c.; doz. 40c.

**Pavonia Grandiflora.** Large, bright crimson, center mottled with yellow. Each 5c.; doz. 40c.

**Grandiflora Alba.** Pearly white, with a yellow cup, gorgeously spotted with crimson. Each 5c.; doz. 50c.

### ZEPHYRANTHES.

#### (ATAMASCO OR FAIRY LILY.)

Beautiful dwarf bulbous plants, flowering in profusion during the summer.

**Atamasco.** White, suffused with flesh color; hardy. Three for 10c.; doz. 25c.

**Candida.** Large flowering, pure white. 3 for 10c.; doz. 30c.

**Rosea.** Large flowers, three to four inches across, of the most exquisite Rose Pink. Each 5c.; doz. 40c.

### MADEIRA VINE.

Tuberous rooted, climber, with glossy green leaves and delightfully fragrant, white blossoms. Sometimes called Mignonette Vine. It is of rapid growth, and from a few tubers vines will be produced sufficient to cover one side of a cottage in a single season. The tubers are tender and must be protected from frost during winter. Each 5c.; doz. 50c.

### MILLA BIFLORA.

#### (MEXICAN STAR OR FROST FLOWER.)

A beautiful Mexican summer blooming bulb. A group of them is always in flower after the middle of summer, and very attractive. Flowers star shaped, two inches across, clear waxy white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; a number of stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height 12 to 18 inches. Three for 10c.; doz. 30c.; hundred \$2.00.

### TUBEROSE.

The flowers of this popular plant are waxy white, double, and so fragrant that they perfume the whole atmosphere for some distance around. They are useful in button-hole bouquets, in large bouquets, or as single specimens.

**Double Dwarf Pearl.** Extra large bulbs; each 4c.; doz. 40c. We will supply second size bulbs: Four for 10c.; doz. 25c.

### OXALIS.

#### (SUMMER FLOWERING.)

Valuable for edging walks, flower beds, etc. Bulbs planted three inches apart form rounded rows of delicate foliage, about one foot high, which produce flowers in endless succession.

**Lasiandra.** Rosy pink, doz. 15c.

**Deippa.** Rosy white, doz. 15c.

**Lilium Auratum.** The glorious gold banded Lily of Japan and one of the grandest plants in cultivation. Its immense ivory white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, fading at its edges into the white. Each 20c.; doz. \$2.00.

**Lilium Longiflorum.** The pure white flowers resemble the well known Bermuda Easter Lily and are very fragrant. Each 15c.; doz. \$1.50.

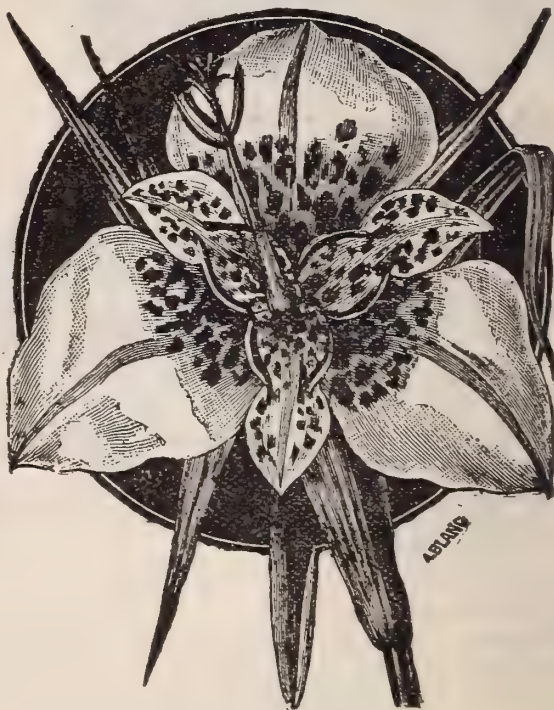
**Lilium Speciosum Album.** Pure white flowers, with a greenish band through the center of each petal. They are of great substance and very fragrant. Each 20c.; doz. \$2.00.

**Lilium Speciosum Rubrum.** No words can overstate the brilliant beauty of these famous Japan Lilies. The six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make them very effective and desirable. Each 15c.; doz. \$1.50.

**Lilium Tigrinum, Flore Pleno.** (Double Tiger Lily.) This magnificent Lily is of stately habit, bearing clusters of very large double flowers on tall, strong stems; color bright orange red, spotted with black. Each 15c.; doz. \$1.50.

**Lilium Tigrinum, Splendens.** (Improved Single Tiger Lily.) Has very large flowers of excellent form; color orange salmon with dark spots. Each 15c.; doz. \$1.50.

**Spider Lily.** Produces handsome clusters of pure white, fragrant blooms in the greatest profusion; adapted to either pot culture in the house or for summer planting in open ground. Each 15c.; doz. \$1.50.



TIGRIDIAS.

### NOTICE.

Your attention is called to our LIST of ROSES on pages 80 and 81. To the HARDY CLIMBERS and SUMMER FLOWERING BULBS on pages 78 and 79. Our Nursery facilities are of the best and our Customers may depend upon getting good service from this branch of our business.

Our Flower Seed GENERAL LIST begins at page 82. All Flower Seeds are sent FREE BY MAIL, at Catalogue price.

PLEASE NOTE that where PLANTS and BULBS are quoted "BY EXPRESS," it means that they are too Large for Mailing, and that the purchaser pays the Express charges when the package reaches destination.



# LEONARD'S VEGETABLE SEEDS

POSTPAID BY MAIL.

## COMPLETE GENERAL LIST.

### ARTICHOKE.

**Large Globe.** Grown for the unripe flower heads, which are highly esteemed by epicures. Per oz., 25c.

**Jerusalem.** This variety is not produced from seed, but is cultivated for its tubers, which are especially valuable for stock feeding on account of their fattening properties; they are well adapted to any soil where corn and potatoes can be grown. They are the best hog food known; a preventive of cholera and other hog diseases. One acre planted in Jerusalem artichoke roots will keep from 20 to 30 head of hogs in fine condition from October until April, except when the ground is frozen too hard for them to root, as they should not be dug in the fall, but the hogs turned into the field to help themselves by rooting for them. Three bushels of tubers are sufficient to seed one acre; cut to one eye, the same as potatoes, planting in April or May, in rows three feet apart and two feet in the rows, and cover about two inches deep. Price, lbs., 20c.; post-paid; by freight or express, pk., 50c.; bus., \$1.25; bbl., \$2.50.



ARTICHOKE JERUSALEM.

### ASPARACUS.

FR., *Asperge*. GER., *Spargel*.

Sow one ounce for sixty feet of drill. Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. Set the plants (in rows) from three to four feet apart, and two feet in the rows, spreading out the roots, and covering from six to eight inches. On the approach of winter cover with manure or compost; fork the beds early in the spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed.

#### ASPARAGUS SEED.

**Columbian Mammoth White.** A new and entirely distinct variety, that produces shoots that are white, and remain white as long as fit for use. In addition to this advantage it is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as Conover's Colossal and requires no earthing up, as in the green sorts, in order to furnish the white shoots so much sought after. This grand result in producing a white asparagus did not come by chance, but was the outcome of years of patient work and careful selection by the originator. Oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Conover's Colossal.** The standard variety; of large size, tender and of excellent quality. Oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Barr's Mammoth.** The stalks are very large, frequently one inch in diameter, with few scales; the stalks retain their thickness completely up to the top of the shoots, and have close, round heads. They are very quick growing and very light in color. The stalks are very tender and succulent, entirely free from woody fiber, and make shoots fit for market in one day. Oz., 10c.; lb., 60c.

**Palmetto.** It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

#### ASPARAGUS PLANTS.

These prices do not include postage. If to go by mail, add at the rate of 50c. per 100 for the 2-year-old plants.

✓ **Columbian Mammoth White.** 2-year-old roots.

✓ **Conover's Colossal.** 2-year-old roots.

✓ **Barr's Mammoth.** 2-year-old roots.

✓ **Palmetto.** 2-year-old roots.

**WE DO NOT PAY  
THE POSTAGE  
ON THESE.**

**PRICES ON ANY VARIETY OF 2-YEAR-OLD ROOTS: PER 100, 75c.; PER 1000, \$5.00**

Special prices on larger lots on application.

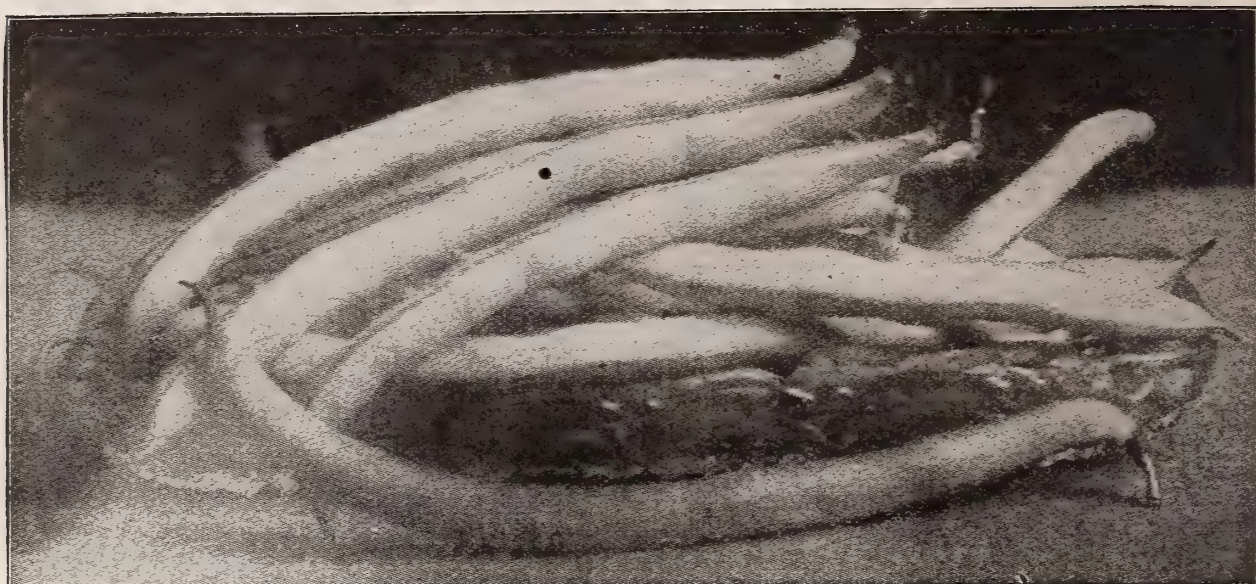


COLUMBIAN MAM. WHITE.



## A NEW BEAN.

### ROUND PODDED KIDNEY WAX.



This is the Best Wax Bean yet introduced for either the home or market garden. Market gardeners will appreciate the importance to them of this new bean because of its **round pod**. It is equal to Wardwell's Kidney Wax in size of pod and productiveness, has a beautiful waxy golden colored round meaty pod; is early and the pod is straight, **not curved** like so many of the other round podded wax beans. Round podded beans have superior quality and retain their freshness longer than the flat podded kinds.

Pkt., 10c.; 1-2 Pt., 20c.; Pt., 35c.; Qt., 50c. Postpaid.

By freight or express, at purchaser's expense, Pk., \$2.00; Bu., \$7.00.

### FOR THE BEST WAX POLE BEAN SEE PAGE 23.

The best Wax Pole Bean in the list is the Golden Champion. It is the earliest, most productive and has the best quality. Order it.



LONGFELLOW BEAN.

### LONGFELLOW BEANS.

This new bean has long green pods, is exceedingly prolific, always solid, of delicious flavor, is tender and remarkably early. It matures its crop very regularly and withstands adverse conditions well. A good bean for market or home use.

Pkt., 5c.; 1-2 Pt., 15c.; Pt., 25c.; Qt., 45c. Postpaid.

### BOUNTIFUL BEANS.

This new green podded bush bean is a heavy cropper and very early. It is a stringless variety and a careful selection from one of the standard sorts. Its hardiness and great productiveness make it one of the very best bush beans.

Pkt., 5c.; 1-2 Pt., 15c.; Pt., 25c.; Qt., 45c. Postpaid.



BOUNTIFUL BEAN.

### JONES STRINGLESS WAX.

By far the best in quality of all the Wax sorts. It is early, hardy and exceedingly productive. The pod is round, long and solid, of a delicate light yellow color. It is stringless and the pod retains its brittleness and fine table quality when nearly matured. Try it.

Pkt., 5c.; 1-2 Pt., 20c.; Pt., 30c.; Qt., 50c. Postpaid.





STRINGLESS GREEN POD

**BUSH BEANS.****GREEN POD VARIETIES.**

**Stringless Green Pod.** This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two to three days earlier than Valentine, that is to say in thirty to thirty-one days from germination, which extraordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. The pods are green, not quite so round as Valentine and less curved. The pods are stringless—absolutely so—this quality at once placing the variety at the top of the list among table beans. While the early maturity is of great merit, this stringless quality is of particular value, the pods breaking as short and free as pipe stems.

**Extra Early Refugee.** This is a great improvement on the old and well known Refugee, as it is a long way earlier, being fit to pick nearly as early as six weeks. It is more dwarf and compact in growth, while the pods are round, solid, tender, and of the most excellent quality when cooked for table use or for canning or pickling.

**Refugee, or 1,000 to 1.** The standard late pickling variety; matures two weeks later than the extra early kinds. Very valuable for pickling.

**Early Mohawk.** One of the oldest and best known sorts. It is the hardiest of any of the beans, resisting a slight degree of frost very successfully. The leaves and vine are large, coarse and straggling. It is early and very prolific, with pods of medium quality, broad, flat, nearly straight and very long.

**BEAN PRICE LIST—Green Pod Varieties.**

We send all packets, pints and quarts free by mail or express at catalogue prices. Purchaser pays the freight on half pecks, pecks and bushels.

	Pkt.	Pt.	Qt.	½ Pk.	Pk.	Bus.
Stringless Green Pod.....	\$0 10	\$0 20	\$0 35	\$0 75	\$1 25	\$5 00
Extra Early Refugee.....	10	20	35	75	1 15	4 50
Refugee, or 1,000 to 1.....	10	20	35	75	1 15	4 50
Early Mohawk.....	10	20	35	75	1 15	4 50
Ex. Early Red Valentine...	10	20	35	75	1 15	4 50
Best of All.....	10	20	35	75	1 15	4 50
Giant Green Pod.....	10	20	35	75	1 25	5 00

	Pkt.	Pt.	Qt.	½ Pk.	Pk.	Bus.
Dwarf Horticultural.....	\$0 10	\$0 20	\$0 35	\$0 70	\$1 25	\$4 50
Navy.....	5	15	25	60	1 00	3 00
Prolific Tree.....	5	15	25	60	1 00	3 00
<b>BUSH LIMA, See Page 21.</b>						
Burpee's Bush Lima.....	10	25	40	1 25	2 00	
Henderson's.....	10	25	40	1 25	2 00	
Dreer's Bush Lima.....	10	25	40	1 25	2 00	



EXTRA EARLY RED VALENTINE.

**Extra Early Red Valentine.** Pods develop to an edible condition in thirty-two days from germination. Color of pods, light green and semi-transparent. Form of pods, round and slightly curved. Succulent, prolific, and quite free from strings, continuing long in edible condition.

**Best of All.** Very productive, in showy pods, long, half round, undulating green, with occasional dashes of red. A profitable sort to the market gardener.

**New Giant Green Pod Stringless.** The greatest novelty in beans ever offered. More than a week earlier than Improved Round Pod Valentine, and more prolific.

**Dwarf Horticultural.** The best shell bean for fine quality, much esteemed by all who know it; worthy of a trial.

**Longfellow.** New, see page 18.

**Bountiful.** New, see page 18.

**Navy.** The standard shell bean.

**Prolific Tree.** Improved Navy.





WARDWELL'S KIDNEY WAX.

**BUSH BEANS.****WAX PODDED VARIETIES**

✓ **Wardwell's Dwarf Kidney Wax Bean.** Hardy and productive, pods long, broad, flat, and of a delicate waxy yellow, brittle and entirely stringless. The yield considerably exceeds that of the common Golden Wax, and is equally as early.

✓ **Curries' Rust Proof Wax.** Seed black; a fine sort. Rust proof, tender thick fleshed pods, early and very productive.

✓ **Yosemite Wax.** The largest of all bush wax varieties, pods thick, and of excellent flavor.

✓ **Leonard's Golden Eye Wax.** This is the hardest and handsomest of all the wax beans. Rust proof; the best variety for the market garden; for shipping it is unexcelled.

✓ **Golden Wax.** The old standard wax sort. It is productive, early, prolific, and on the whole is yet among the best for family use.

✓ **Improved Golden Wax.** Rust

proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty and entirely rust proof.

✓ **White Wax.** One of the best for family use. Stringless, waxy, yellow pods; very brittle, tender and of delicious flavor.

✓ **Keeney's Rustless Golden Wax.** Combines hardness and productiveness with fine quality. A strong growing bush variety of remarkable vigor and freedom from rust. The pods are meaty and well filled, thick flat when young and semi-round later; a very desirable variety.

✓ **Detroit Wax.** A distinct variety of recent introduction, which is worthy of a place in every garden. The waxy, yellow pods are produced in great abundance and the quality is extra fine.

✓ **Flageolet Wax.** A large bush wax variety; seed large, purplish red; excellent as a snap bean, and in great favor as a dry shell bean.

**THE BEST WAX POLE BEAN  
IS GOLDEN CHAMPION.**

See Page 23.

**THE BEST WAX BUSH BEAN  
IS ROUND POD KIDNEY WAX.**

See Page 18.

✓ **Black-Eyed Wax.** A cross between Black Wax and Golden Wax. Earlier than either one, and of much better quality, being wonderfully brittle, perfectly stringless and of fine flavor. Pods like Black Wax; seed white, black around the eye.

✓ **Violet Flageolet Wax.** Early; soon as Black Wax. Exempt from rust. Pods long, tender, delicious. Enormously productive. Valuable for kitchen, garden and market.

✓ **Prolific Black Wax.** The old standard Black Wax bush bean. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. Do not forget the old meritorious kind when looking over the list, and include this in your orders.

✓ **Challenge Black Wax.** A very prolific strain of wax beans, fine round pods, flavor excellent, earlier than the ordinary Black Wax, and not so apt to rust.

**BEAN PRICE LIST—Wax Pods.**

We send all packets, pints and quarts free by mail or express at catalogue prices. Purchaser pays the freight on half pecks, pecks and bushels.

	Pkt.	Pt.	Qt.	½ Pk.	Pk.
✓ Wardwell's Kidney Wax.....	\$0 10	\$0 25	\$0 40	\$1 25	\$2 00
✓ Currie's Rust Proof Wax.....	10	25	40	1 25	2 00
✓ Yosemite Wax.....	10	25	40	1 25	2 00
✓ Leonard's Golden Eye Wax.....	10	25	40	1 25	2 00
✓ Golden Wax.....	10	25	40	1 25	2 00
✓ Improved Golden Wax.....	10	25	40	1 25	2 00
✓ White Wax.....	10	25	40	1 25	2 00
✓ Keeney's Rustless Golden Wax.....	10	25	40	1 25	2 00



CHALLENGE BLACK WAX.



BUSH BEANS.

WAX PODDED VARIETIES.

✓ **Davis Kidney Wax.** A new variety introduced 1897 season. It is adapted alike for the canner, market gardener, shipper or amateur. The dry bean is large, kidney shaped and white in color, making it one of the best for cooking in the dry state. The pods are long, mealy, stringless, and of a beautiful yellow color. It stands shipping better than any other, and is one of the best of the wax podded varieties.

✓ **Early Refugee Wax.** A perfect Refugee with wax pods; long, round, of a golden yellow color. One of the earliest. It is of very good quality, the pods being very tender. We can recommend it as being a first-class wax bean.

✓ **Keeney's Pencil Pod Wax.** Keeney's Pencil Pod Black Wax grows a taller, stronger and more vigorous bush than the Improved Prolific Black Wax, which is one of its parents. The other parent is the Round Pod Refugee or Thousand to One, and from this latter source the Pencil Pod Black Wax gets much of its vigor, hardiness and productiveness, and its long, slender, straight, handsome pod, shaped very much like a pencil.

**Jones Stringless Wax.** See Page 18.

BEAN PRICE LIST—Wax Pods.

Continued from Page 20.

	Pk.	Pt.	Qt.	½ Pk.	Pk.
✓ Detroit Wax.....	\$0 10	\$0 25	\$0 40	\$1 25	\$2 00
✓ Flageolet Wax.....	10	25	40	1 25	2 00
✓ Violet Flageolet Wax.....	10	25	40	1 25	2 00
✓ Prolific Black Wax.....	10	25	40	1 25	2 00
✓ Challenge Black Wax.....	10	25	40	1 25	2 00
✓ Davis' Kidney Wax.....	10	25	40	1 25	2 00
✓ Early Refugee Wax.....	10	25	40	1 25	2 00
✓ Keeney's Pencil Pod.....	10	25	40	1 25	2 00
✓ Round Pod Kidney Wax....	10	25	40	1 25	2 00



DAVIS KIDNEY WAX BEAN.

DWARF LIMA VARIETIES.

✓ **Burpee's.** The only bush form of the true, luscious, large Lima. It is pronounced by all good judges as unquestionably the real Bush Lima. The bushes grow eighteen to twenty inches high, of stout growth and always erect. It is an immense yielder, the pods being filled with very large beans. Pkt., 5c.; ½ pt., 15c.; pt., 25c.; qt., 40c.

✓ **Dreer's.** The true bush form of the chubby Dreer's or Potato Lima. The pods are heavy and thick. It is quite productive and of excellent quality. Pkt., 5c.; ½ pt., 15c.; pt., 25c.; qt., 40c.

✓ **Henderson's.** This is a bush form of the small Seiva pole bean. It is the original bush form of the pole beans. It is the most productive of any, and on the whole is a vegetable of great merit. Pkt., 5c.; ½ pt., 15c.; pt., 25c.; qt., 40c.



BURPEE'S BUSH LIMA.



## POLE BEANS.

**Seibert's Early Lima.** This new variety is one of the very earliest. The vine is very vigorous and productive. Pods are large, but thin, and can be more easily opened than those of other varieties. The green beans are very large, handsome and of the best quality.

**Early Jersey Lima.** Ten days earlier than any other Lima. We recommend this variety to all who desire a profitable Lima bean.

**Large White Lima.** The old standard variety, productive and of good flavor.

**King of the Garden Lima.** A very large sort, considered the most productive of any of the Limas.

**Dreer's Improved Lima.** Also called the Potato Lima. The beans are distinct in appearance, thick, round and of excellent flavor.

**Ford's Mammoth Lima.** A variety that is much esteemed wherever it has been tried.

**Small Lima or Sieva.** This is the standard small Lima. It is very productive and of good flavor.

**Dutch Case Knife.** Vines moderately vigorous, climbing well, but twining more loosely than some, and so may be used for a corn hill bean. Leaves large, crumpled; blossoms white, pods very

long, flat, irregular, green, but becoming creamy white; beans broad, kidney shaped, flat, clear white, and of excellent quality, green or dry.

**Kentucky Wonder.** This splendid variety, introduced in 1885, has since been offered as *Seek No Further*, and was introduced in 1891 as a novelty under the name of *Old Homestead*. Vine vigorous, climbing well and very productive, bearing its pods in large clusters; blossoms white; pods green, very long, often reaching nine or ten inches, nearly round when young, and very crisp, becoming very irregular and spongy as the beans ripen. Dry beans long, oval, dun-colored.

**Scarlet Runner.** A great favorite, both ornamental and useful. Height, ten feet, presenting dazzling scarlet flowers, from July to October. Used both as a string bean and shelled. Seeds, when ripe, lilac, mottled black.

**London Horticultural, or Speckled Cranberry.** Vines moderately vigorous, with large, light colored leaves and purple blossoms; pods short, broad, pale green but becoming streaked with bright red; beans large, ovate, splashed and spotted with wine red, and of the highest quality, either green or dry.

**Red Speckled Cut Short.** (Corn Hill.) This is the best sort to plant in hills of corn. It is praised beyond measure by all who have tried it.

**You are bound to get the best Vegetable Seeds from us. We sell to market gardeners who must have only the best. No other seed house has as many market gardener customers as we have.**

**Lazy Wife.** Immensely popular everywhere. It is exceedingly productive and easily gathered. Probably this is why it comes by its very discourteous name. It is an excellent bean.

**Our seeds go everywhere. Ask any market gardener in your section if Leonard's Seeds are not THE BEST.**



OLD HOMESTEAD OR KENTUCKY WONDER.





## POLE BEANS.

### GOLDEN CHAMPION.

Decidedly the **BEST Wax Pole Bean**. The pods are long, meaty and of exceptional quality. The vines cling well to the pole, a very important feature. The vine begins bearing when quite young and continues to bear profusely until cut down by frost. It is the earliest pole bean grown, and the most prolific bearer. The cut shows the exceeding productiveness of this bean. its large, meaty golden colored pods may be taken off in handfuls. It is no trouble to pick them.

PACKET, 10c.  
PINT, 25c.

HALF PINT, 15c.  
QUART, 40c.

Postpaid.

✓ **Southern Prolific.** A very prolific sort and popular in the south for snaps. Vines vigorous, with large, thin, smooth leaves; blossoms white; pods produced in clusters, green, cylindrical or thicker than broad, long, fleshy, crisp; beans small, oval, dun colored, and somewhat variable in shade.

✓ **Early Golden Cluster Wax.** The finest, earliest and best of all the wax pole beans. It is very early, being only a week later than the Golden Wax.

✓ **White Creaseback.** This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time. Vines small to medium, but vigorous, and in good soil wonderfully productive, bearing pods in clusters of from four to twelve. Pods medium length, silvery green, of the best quality as snaps, and stand shipping better than most sorts.

### BEAN PRICE LIST.

#### Pole Varieties.

We send all packets, pints and quarts free by mail or express at catalogue prices. Purchaser pays the freight on half pecks, pecks and bushels.

✓ **White Creasback**  
Pkt. 10c.;  $\frac{1}{2}$  Pt., 15c.; Pt., 25c.; Qt., 40c.

✓ **Golden Champion.**  
Pkt., 10c.;  $\frac{1}{2}$  Pt., 15c.; Pt., 25c.; Qt., 40c.



GOLDEN CHAMPION.

	Pkt.	Pt.	Qt.	Pk.
Siebert's Early Lima.....	\$0 10	\$0 25	\$0 40	\$2 00
✓ Early Jersey Lima.....	10	25	40	1 75
✓ Large White Lima.....	10	25	40	1 50
✓ King Garden Lima.....	10	25	40	1 75
✓ Dreer's Lima.....	10	25	40	2 00
✓ Ford's Mammoth Lima....	10	25	40	2 00
✓ Southern Prolific.....	10	20	35	1 50

	Pkt.	Pt.	Qt.	Pk.
Small Seiva.....	\$0 10	\$0 25	\$0 40	\$1 75
Dutch Case Knife.....	10	25	40	1 75
Kentucky Wonder.....	10	25	40	1 75
Scarlet Runner.....	10	25	40	
Hort. Cranberry.....	10	25	40	1 75
Speckled Cut Short.....	10	25	40	1 75
Lazy Wife.....	10	25	40	2 00





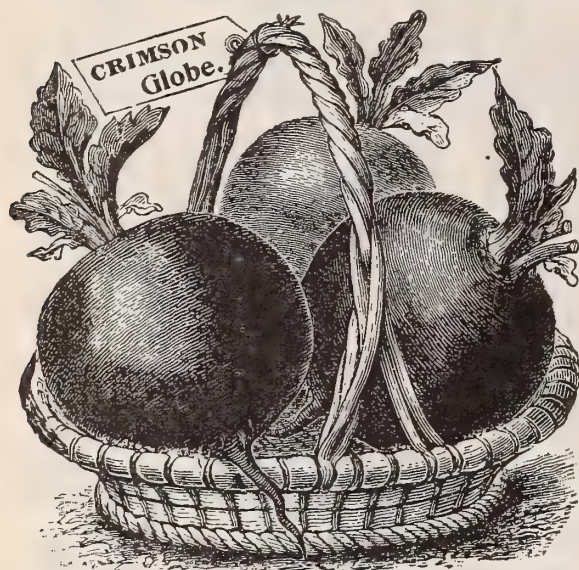
**TABLE BEETS.****LEONARD'S EXTRA EARLY EGYPTIAN BEET.**

This is the earliest and best bunching beet for market gardeners. It has been grown for the past twelve years by the gardeners of Chicago, and now they will take no other for early bunching. It is a specially selected strain, grown by us for the past ten years, and is being improved each year, and is superior to any other strain of Egyptian beet.

**Electric.** A fine early beet. The color is dark crimson, with rings of a lighter red. Shape round and smooth; leaves small and compact.

**CROSBY'S EGYPTIAN BEET.**

A selection from that old market beet, Early Egyptian, which retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape. It is the deepest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. A very desirable sort for small beets for early market, as it is in presentable market shape quicker than any variety except Leonard's Egyptian. It is a very rapid grower and can be sown outside as late as July.



CRIMSON GLOBE BEET.

**Dewey's Early Blood Turnip.** A good variety for main crop. Keeps well. Like Edmand's, but lighter color.

**Lentz Turnip.** Of similar size and shape to the Bastian turnip; top small. Early and profitable.



ECLIPSE BEET.

**Early Eclipse.** A choice early variety; well known and popular. Shape globular, quality good, color light.

**Edmand's Early Blood Turnip.** The best sort for general crop. In quality one of the finest; exceedingly dark, shape globular, having only one taproot. Very popular with market men.

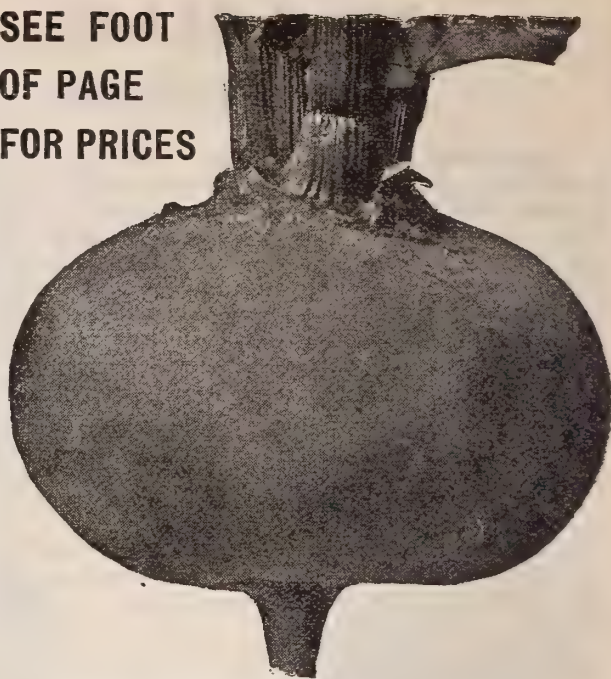
**Improved Blood Turnip.** An improved variety of the Early Blood turnip: of deep, blood-red color; fine form and flavor. An excellent market sort.

**Detroit Dark Red Turnip.** Quality good, sweet and tender; color deep red; roots are turnip shaped, with small tap roots.

**Long Smooth Blood.** A good late cropper. Shape long.

**Columbia.** Round and smooth, with deep red flesh; early and very tender.

SEE FOOT  
OF PAGE  
FOR PRICES



LEONARD'S EXTRA EARLY EGYPTIAN.

**Crimson Globe.** This is one of the finest beets yet introduced. Roots are not large, but very handsome. Round, and a clean, smooth surface. Leaves very small, with slender stems. We can recommend this beet for bunching, as its color and shape make them quick sellers.

**Early Egyptian.** The well known early variety. Color extra dark, shape flat, quality excellent.

**Bastians.** An extra early variety, much esteemed by market men east and south. Color light.

**Half Long Blood.** One of the best for winter use. The roots are only half as long as the Long Blood, but weigh as much on account of their thickness. They are always smooth and handsome, and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody, even in the exposed portions.

**Long Smooth Blood.** The standard long late sort. Very dark blood-red flesh, quality fine.

**Early Bassano.** A good early variety, similar to Egyptian in shape, but of lighter color.

**Swiss Chard, or Silver.** Used for its leaves. Oz., 10c.; lb., \$1.00.



EDMAND'S BEET.

**PRICES OF ALL BEETS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.**

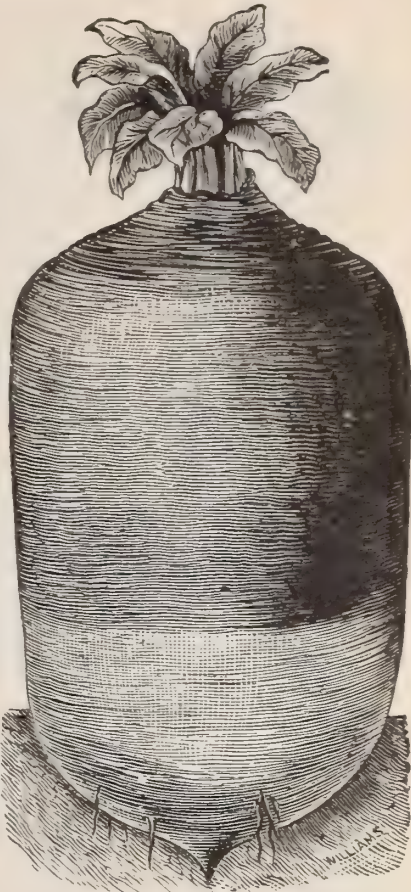


CATTLE BEETS OR MANCEL.

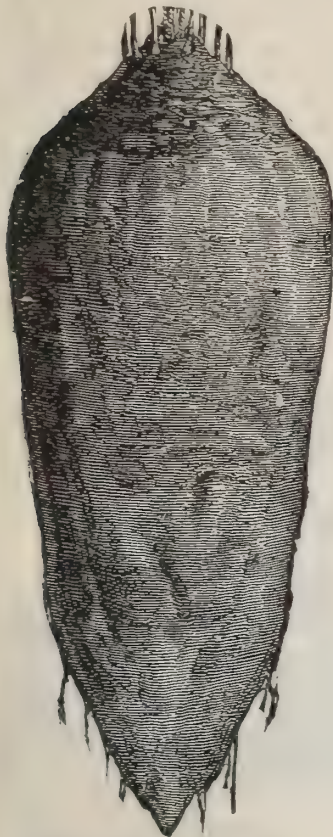
No root crop is a better paying investment for farmers than Mangel Wurzel. It will pay any farmer to grow an acre or more, as the yield is enormous. They keep well and do cattle much good as a change in food always does.

PRICE LIST—POSTPAID.

	Oz.	¼ Lb.	Lb.
Long Red.....	\$0 05	\$0 10	\$0 30
Leonard's Long Red	05	10	30
Norbiton Giant....	05	10	30
Yellow Globe.....	05	10	30
Golden Tankard....	05	10	30
Orange Globe.....	05	10	30
Yellow Ovoid.....	05	10	30



GOLDEN TANKARD MANGEL.



LEONARD'S MAMMOTH  
LONG RED MANGEL.

- ✓ **Long Red.** A large, long variety grown for stock feeding. It stands up well above the surface; color light red; flesh white and rose colored.
- ✓ **Leonard's Improved Mammoth Long Red.** The largest and most productive variety. Immense crops can be grown from it.
- ✓ **Norbiton Giant Long Red.** Very large, excellent variety for feeding stock. A heavy cropper in deep soil.
- ✓ **Yellow Globe.** Globular shaped roots. More productive than Long Red in shallow soil. Very nutritious and a good keeper.
- ✓ **Golden Tankard.** Shape cylindrical, color deep rich yellow, flesh yellow circled with white. Unequaled for feeding stock.
- ✓ **Orange Globe.** We think this one of the best varieties of mangel wurzel grown for stock feeding. It has exceedingly small tops and few leaves; leaf stalks and blades green; roots medium sized, uniformly globe shaped, having a very small tap and few side roots; color of skin deep, orange yellow; flesh white and of excellent quality. The roots grow almost entirely above ground, making them admirably adapted to shallow ground and very easy to harvest.
- ✓ **Yellow Ovoid, or Intermediate.** Root ovoid, intermediate between the long and globe varieties. Vigorous and productive.

Any Variety by Freight, 5 lbs., 75c.; 10 lbs., \$1.40, 50 lbs., \$6.00.

SUGAR BEETS.

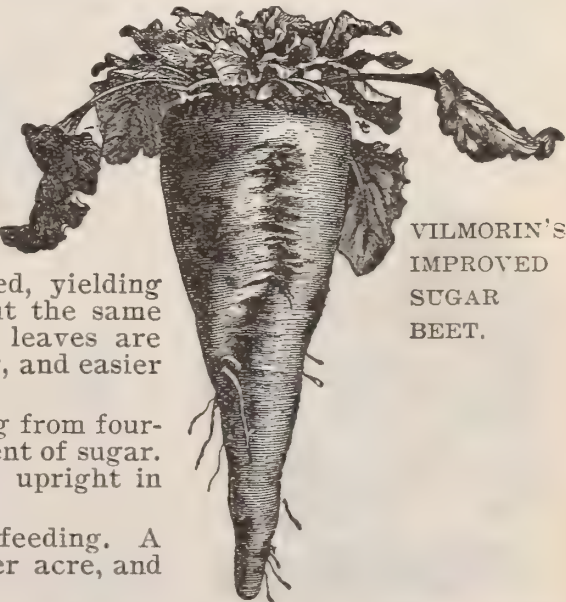
PRICE LIST, POSTPAID.

	Oz.	¼ lb.	1b.
Vilmorin's Sugar.....	\$0 05	\$0 10	\$0 30
Klein Wanzleben.....	05	10	30
French, very rich .....	05	10	30
Lane's Imp. Sugar.....	05	10	30

All the Sugar Beets  
Are Very Valuable  
for Stock Feeding.

FIVE POUNDS WILL  
SOW ONE ACRE.

- ✓ **Vilmorin's Improved Sugar.** In general, the most desirable beet for the factory is the one containing the largest percentage of sugar. In this variety we have one of the richest beets in cultivation; not only that, but it will do better on new lands, suffer less from an excess of nitrogen, and will keep the best of any. In size it is medium or little below, yielding from ten to sixteen tons per acre, and containing from 16 to 18 per cent of sugar.
- ✓ **Klein Wanzleben.** A little larger than Vilmorin's Improved, yielding from twelve to eighteen tons per acre, and containing about the same amount of sugar. It grows below the surface, and the green leaves are rather large and spreading, with wavy edges. A little hardier, and easier grown than Vilmorin's Improved.
- ✓ **French, Very Rich.** A variety with large, long roots, yielding from fourteen to twenty tons per acre, and containing from 14 to 16 per cent of sugar. The roots are below the surface, and the green leaves are upright in growth. The hardiest and easiest grown.
- ✓ **Lane's Imperial Sugar.** Good for making sugar, also stock feeding. A hardy and productive sort. Yields fourteen to sixteen tons per acre, and contains about 16 per cent of sugar.



VILMORIN'S  
IMPROVED  
SUGAR  
BEET.

ANY VARIETY BY FREIGHT AT PURCHASERS EXPENSE, 5 lbs., 75c.; 10 lbs., \$1.50, 50 lbs., \$6.50.





BRUSSELS SPROUTS.

**BROCCOLI.**GER., *Brocoli*, *Spargel-Kohl*. FR., *Chou Brocoli*. SP., *Brocoli*.

Nearly allied to the cauliflower, but more hardy. The seed should be sown in this district in the early part of May, and transplanted in June; further south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 25 degrees broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cold atmosphere.

✓ **White Cape.** Heads medium size, close, compact, and of creamy white color. One of the most certain to head. Pkt., 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.50.

✓ **Purple Cape.** Differs only in color. Pkt., 10c.; oz., 50c.;  $\frac{1}{4}$  lb., \$1.75.

✓ **Welcheren.** A valuable variety, with very large firm heads. Pkt., 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.25.

**BRUSSELS SPROUTS.**GER., *Kopf kohl Gruner*. FR., *Chou de Broxelles*.

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts, resembling small cabbages, of excellent, mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the winters of the northern states; still by sowing in April and planting out in July, it may be had in fine condition until December, and in the southern states may be had in use from November to March.

✓ **Tall French.** Very fine. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Dwarf Improved.** A variety producing compact sprouts of excellent quality. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**CHERVIL.**

A hardy annual, worthy of more general use for flavoring and garnishing. The curled variety is even more beautiful than parsley, and can be used to great advantage in beautifying dishes of meat and vegetables.

**CULTURE**—Sow in early spring in rich, well prepared soil, and when plants are well established transplant to about one foot apart.

✓ **Curled.** Greatly superior to the old, plain variety, being earlier, more handsome, and having fully as fine perfume and flavor. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



CHERVIL.

**CHIVES.**

Chives are very hardy and perennial members of the onion family. They are grown exclusively for their tops. Planted in clumps in any garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in spring and can be cut throughout the season. Roots, per bunch, 25c. by mail, post-paid.

**CHICORY.**

✓ **Large-rooted, or Coffee.** Our stock is the improved type, with very much larger, smoother, whiter and proportionately shorter roots than the old kind. The dried and prepared roots are used quite extensively as a substitute or adulterant for coffee. Sow the seed as early in the spring as the ground can be prepared, in a rather light, moderately rich soil, in drills fifteen inches apart for garden, and two to two and one-half feet for field culture. When the plants are sufficiently large, thin to four to six inches apart in the row. Keep clear of weeds, and in the fall dig the roots, slice them and dry in an apple evaporator, or kiln constructed for the purpose. Where the roots are grown in quantity for the manufacturers of the "prepared" chicory, they are usually brought to the factory in the "green" state and there dried in kilns constructed for the purpose. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.



COLLARDS.

**COLLARDS.**

A variety of cabbage known in different sections as "Cole," "Colewort," or simply "Greens." It is extensively used in the south, where it continues in luxuriant growth all winter.

✓ **Georgia, Southern or Creole.** We offer the true white or green stemmed sort so extensively used in the south, where it furnishes an abundance of food for man and beast. Forms a large, loose, open head, or a mass of leaves on a tall stem. Freezing does not injure, but rather improves their quality. Sow thick in drills, in rich ground, transplanting when four inches high, or sow in drills where the plants are to remain, and thin to two or three feet apart in the row, when of proper size. In the south sow from January to May, and August to October. Pkt., 5c.; oz., 10c.; lb., \$1.00.





CORN SALAD.

## CORN SALAD.

✓ **Fetticus, or Lamb's Lettuce.** This small salad is used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. In warm weather the plants will mature in four to six weeks. Sow the seed in shallow drills about one foot apart, during August and September. If the soil is dry it should be firmly pressed over the seed in order to secure prompt germination. On the approach of severe cold weather, cover with straw or coarse litter. The plants will also do well if the seed is sown very early in the spring, and, like most salad plants, are greatly improved if sown on very rich soil; indeed, the ground can scarcely be made too rich for them. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

## CRESS.

✓ **Curled, or Pepper Grass.** This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. The seed should be sown in drills about sixteen inches apart, on very rich ground, and the plants well cultivated. It may be planted very early, but repeated sowings are necessary to secure a succession. Keep off insects by dusting with Pyrethrum Powder. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

✓ **True Water.** This is quite distinct from the last, and only thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads, and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams. The plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots. Pkt., 5c.; oz., 30c.; 2 oz., 55c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.



TRUE WATER CRESS.

## CAULIFLOWER.

### LEONARD'S SNOWBALL.

"Your Snowball cauliflower seed gives more plants and more fine heads to the ounce than any other. It is the best Snowball cauliflower."—The general verdict of the Chicago gardeners.

SEE PAGE 7.

✓ **Le Normand's Short Stem.** Considered by the French one of the very best sorts. Plant hardy, compact growing, sure heading, and producing many leaves which protect the close, solid curd, keeping it well blanched. Pkt., 5c.; oz., 75c.; 2 oz., \$1.25;  $\frac{1}{4}$  lb., \$2.25.

✓ **Large Algiers.** A valuable late sort, sure to head, of the best quality, and very popular with market gardeners everywhere. Plant large, but of upright growth, the leaves protecting the heads so that they will endure uninjured a frost that would ruin other sorts. One of the very best of the late sorts. Pkt., 5c.; oz., 80c.; 2 oz., \$1.50;  $\frac{1}{4}$  lb., \$2.75.

LEONARD'S SNOWBALL.  
SEE PAGE 2.

✓ **Leonard's Earliest Erfurt.** A variety that has given excellent satisfaction to our home gardeners. It is snow white and a sure header. Gardeners will be amply repaid by giving this variety a fair trial. Oz., \$2.00;  $\frac{1}{4}$  lb., \$8.00.

✓ **Extra Early Paris.** This is a good early sort, and in a good season does well. Not as sure a header as the higher priced varieties. Oz., 50c.;  $\frac{1}{4}$  lb., \$2.00.

✓ **Autumn Giant.** A late sort of fairly good quality. Will do well under favorable conditions. Oz., 50c.;  $\frac{1}{4}$  lb., \$1.75.

**LEONARD'S SNOWBALL CAULIFLOWER  
IS THE BEST STRAIN OF  
SNOWBALL EVER OFFERED.  
NO GARDENER SHOULD FAIL TO TRY IT.**

SEE PAGE 7.



*Leonard's Snowball Cauliflower*



## CABBAGE.

Cabbage seed is one of our leading specialties. Chicago is and has been one of the most important growing and shipping centers for cabbages. Many carloads are shipped to all points of the country from Chicago every year. We are headquarters for such noted varieties as Holland, Luxemburg, Blue Fottlers and Faultless, and the excellent reputation of Leonard's strains of cabbage seeds is known wherever cabbages are raised.

### ✓ **EARLY JERSEY WAKEFIELD CABBAGE.**

OUR SELECT STOCK.

This is one of the most important varieties in the list. Great care must be exercised in the growing of the seed to have it pure and true to type. We give especial attention to the growing of our Wakefield stock, and its uniform excellence is a source of gratification to us. Our home gardeners are among the most critical buyers of cabbage seed in this country, and the fact that our stock suits them better than any other they can get gives assurance that it is what it should be. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 95c.; lb., \$3.00.



✓ **EARLY JERSEY WAKEFIELD SELECT.**

### ✓ **EARLY SPRING CABBAGE.**

THE EARLIEST FLAT HEAD. AS EARLY AS JERSEY WAKEFIELD.

Yields one-third more than the early pointed heads. Solid, uniform and finely grained heads. Stem is short and extends but little into the head. Entirely free from any rankness of flavor. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3.00.

✓ **Charleston Wakefield.** Oz., 25c.;  $\frac{1}{4}$  lb., 80c.; lb., \$3.00.

✓ **Early Express.** An early sort, and makes a good head, about one week earlier than the Wakefield. Oz., 25c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Early Winningstadt.** An early variety of excellent quality, not as early as the Wakefield. Oz., 15c.;  $\frac{1}{4}$  lb., 45c.; lb., \$1.50.

✓ **Early York.** A standard pointed head variety, second early. Oz., 15c.;  $\frac{1}{4}$  lb., 45c.; lb., \$1.50.

✓ **Early Dwarf Flat Dutch.** An early cabbage of good size. Heads are flat and very solid. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.



✓ **EARLY SPRING CABBAGE.**

✓ **Henderson's Early Summer.** A standard summer variety. We have the true stock. Oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Henderson's Succession.** A good summer cabbage; also makes a good cabbage to succeed itself. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

✓ **Fottler's Early Brunswick.** An early fall variety, well known and popular. Oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Fottler's Improved Brunswick (Blue Strain).** An excellent shipping sort, as it does not burst or rot. Well thought of by all gardeners of Chicago. Oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$2.50.

✓ **All Seasons.** A fine variety for any season, of good shape and size. Oz., 25c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Vandergaw or Chicago Market.** The Vandergaw is a very good second early cabbage. It is popular with many of the Chicago market gardeners. It comes in with the Succession and All Seasons, and forms a nice solid head. Our stock of this cabbage is unsurpassed. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



✓ **ALL SEASONS.**

**SEE LEONARD'S FAULTLESS CABBAGE, PAGE 8.**





LOUISVILLE DRUMHEAD.

✓ **All Head Early.** One of the finest early flat-head cabbages. Oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$2.00.

✓ **Stonemason Drumhead.** A late large heading variety, but not as fine grained as others. Oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$2.00.

✓ **Marblehead Mammoth.** A large late variety of fairly good quality. Oz., 25c.

✓ **Large Late Drumhead.** A late variety of large size. Oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.40.

#### PREMIUM FLAT DUTCH.

This variety of late cabbage is a standard in all sections for winter use. Our selected stock is unsurpassed. It makes a large solid head which keeps long without bursting, and is adapted to a more varied climate than probably any other variety we grow.

Our stock of **Premium Flat Dutch** has given excellent satisfaction both north and south for many years, and its great popularity at home puts its merit beyond question. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



DANISH BALL HEAD.

## CABBAGE.

✓ **Red Drumhead.** The standard pickling variety. A good keeper. Oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.40.

✓ **Mammoth Rock Red.** The largest heading of any of the red sorts, of deep rich color and excellent quality. Oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.

✓ **Savoy Green Globe.** Deep green. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.

✓ **Savoy Im. American.** The finest flavored of all the cabbage family, large and solid. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$1.40.

#### LOUISVILLE DRUMHEAD.

This fine cabbage is very popular with the kraut makers. It is a medium late variety, forming a large solid head, which seldom bursts. It is used largely by shippers in the vicinity of Chicago who ship cabbages south. It comes in between the second early and the late varieties. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



PREMIUM FLAT DUTCH.

✓ **Leonard's Luxemburg.** This cabbage will retain its fine green color until late in the spring, and is often sold for new cabbage after being covered all winter. Fine looking, of good size and excellent quality. Oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

✓ **Sure Head.** A fine variety for main crop. A good shipper and sure header. Oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Holland.** The favorite winter cabbage with market gardeners. It is as hard as a rock, and a small head will weigh as much as a large head of any other variety. The leaves lap over and make a head in which there is no waste. Oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00. See page 3.

✓ **Leonard's Improved Bridgeport Drumhead.** This is a standard winter variety on the Chicago markets, and is used largely for shipping south. Makes a very large solid head which stands long without bursting. Oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$3.00.

✓ **Danish Ball Head.** A good main crop variety; popular with many of the gardeners. Similar to our Holland, but not so uniform in heading. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

SEE LEONARD'S HOLLAND CABBAGE, PAGE 8.

*Leonard's Landless Cabbage*



## CARROTS.



GUERANDE OR OX HEART CARROT.

✓ **Early French Forcing.** The earliest variety. Valuable for forcing. Root is small and round. Quality is excellent. This sort is highly prized in France. Pkt., 5c.; oz., 10c.; lb., 75c.

✓ **Early Short Horn.** A fine early variety, good for home use. Eastern market gardeners use this sort for bunching. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

✓ **Guerande, or Ox Heart.** Tops small for the size of the roots, which are comparatively short, but often reach a diameter of 7 inches, terminating abruptly in a small tap root. Flesh, bright orange, fine grained and sweet. This is a desirable variety for soil so hard and stiff that longer growing sorts would not thrive in it. When young, excellent for table use, and when mature, equally good for stock. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

✓ **Half Long Scarlet Nantes.** (Stump Rooted.) Tops medium size; roots cylindrical, smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core; of the finest quality, and one of the most symmetrical and handsome of the medium sized sorts; excellent for the market or home garden. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

✓ **Chantenay.** Tops medium size; necks small; roots tapering slightly but uniformly stump rooted and smooth; color, deep orange red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



HALF LONG NANTES.

✓ **Danvers.** Grown largely on account of its great productiveness and adaptability to all classes of soil. Tops medium sized, coarsely divided. The smooth and handsome roots are deep orange, of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender and of a deep orange color. This is a popular field variety, and although the roots are shorter, they produce as large a bulk as the longer field sorts, and are more easily harvested. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

✓ **Improved Long Orange.** The most popular of the older sorts for farm use on mellow soil. An improvement obtained by years of careful selection of the best formed and deepest colored roots of the old Long Orange. Roots comparatively shorter than the Long Orange, and smoother, but so uniform and true that the bulk of the crop will be greater. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

✓ **St. Valery.** A good late variety. It grows long, shape uniform, tapering from a wide shoulder to a point. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 60c.

✓ **Yellow Belgian.** A good field variety, similar to White Belgian in shape and size, but of orange color. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c.

✓ **Improved Short White.** We think this distinct variety is destined to take first rank as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested. Roots, half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color, light green at the crown, pure white below; flesh rich, white, solid, crisp and of excellent flavor. This variety is a real acquisition as a heavy yielding, easily harvested, white carrot, and is the best of this class. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 60c.

✓ **Large White Belgian.** Grows one-third out of the ground. Root, pure white, green above ground, with small top. Flesh rather coarse. The roots on light, rich ground grow to a large size, and are extensively grown for stock feeding. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c.



DANVERS CARROT.



## CELERY.

✓ **Golden Self-Blanching.** The best self-blanching sort. It acquires a handsome golden color without having to be hilled up, which makes it a valuable market sort. Pkt., 5c.; oz., 25c.; lb., \$2.50.

✓ **White Plume.** A good self-blanching sort, good for fall use, but does not keep well. Pkt., 5c.; oz., 25c.; lb., \$2.00.

✓ **Giant Golden Heart.** This variety attains a large size, but still remains crisp and tender. It is a fine keeper and is the favorite on the Chicago market.

✓ **The Schumacher.** It is of immense size, very solid and crisp, with light green foliage and golden yellow solid heart. But its finest feature is that it will keep in splendid condition all through the winter and in the spring. We have no hesitation in heartily recommending it to all.

✓ **Crawford's Half Dwarf.** The favorite variety in eastern markets; a good keeper of vigorous growth.

✓ **Kalamazoo.** This is the variety used by the celebrated celery growers of Kalamazoo, Mich., and is of great merit.

✓ **Perfection Heartwell.** A finely flavored, good keeping sort, hardy and solid.

✓ **Early Arlington.** This is an improvement on the Boston Market; good and early.

✓ **Boston Market.** Short and bushy, making a solid bunch.

✓ **Evans' Triumph.** One of the best late sorts. Solid, crisp and fine nutty flavor. Can be kept as late as April or May.

✓ **Seymour's White Solid.** A large sized, vigorous growing variety; stalks white, round, very crisp; perfectly solid and of superior flavor. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 25c.; lb., \$1.50.

✓ **Soup, or Cutting Celery.** This variety is adapted to sowing thick in rows and cutting when three or four inches high, to use for soup flavoring. It can be cut repeatedly and will furnish a succession throughout the season. Pkt., 5c.; 10c.; 2 oz., 10c.; ¼ lb., 20c.; lb., \$1.00.

✓ **Rose Ribbed Paris Self-Blanching or Golden Rose.** This is a sport of the Golden Self-Blanching celery, and possesses all the good qualities for which that variety has become so famous. It has the same beautiful rich golden yellow color, is self-blanching to the same remarkable degree, and differs only in color of the ribs. These are a very attractive shade of rose, which deepens as the season advances. This ornamental feature gives the whole plant a most pleasing appearance, that cannot fail to make it of great value for market, while no celery could be of finer quality. Pkt., 5c.; oz., 25c.; lb., \$2.50.

✓ **Pink Plume.** Similar to White Plume, but having stalks suffused with pink.

✓ **Giant Pascal.** This is the best keeper of all the late sorts; very solid and crisp. This variety is unsurpassed for market garden.



GIANT PASCAL.

### GERMAN CELERY, OR CELERIAC.

✓ **Large Smooth Prague.** Has a large smooth root, and is the finest of all celeriac.

✓ **Apple Shaped.** Not as smooth as the above, but of good form. Pkt., 5c.; oz., 20c.; lb., \$1.50.

✓ **Turnip Rooted.** This is the ordinary and well known variety. Pkt., 5c.; oz., 20c.; lb., \$1.50.

### CELERY PLANTS.

We are prepared to quote Celery Plants at the proper time.  
We arrange to have all the standard varieties.

WRITE FOR PRICES.



CELERIAC—LARGE SMOOTH PRAGUE.

PRICES OF ANY VARIETY OF CELERY ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:  
PKT., 5c.; 1-2 OZ., 15c.; OZ., 25c.; 1-4 LB., 60c.; POST-PAID.



**CORN.****SWEET OR SUGAR.**

**Culture.**—A rich, warm, alluvial soil is best, but excellent sweet corn can be raised on any good, ordinary soil if it is deeply and thoroughly worked before planting. Give frequent and thorough but shallow cultivation until the tassels appear.

✓ **Mammoth White Cory.** The ears are twelve rowed, fully twice the size of the old Cory, white cobbled, and covered with very large white grains of good quality. No other sweet corn will find ready sale in a market which is supplied with Mammoth White Cory, and the gardener who wishes to get the cream of the trade should make his plantings of this splendid novelty.

✓ **Extra Early Adams.** This is an extra early field variety, but is much used as an early market variety, being sweet and juicy.

✓ **Early Minnesota.** One of the standard early sorts. Ready for market two weeks later than Cory or Chicago Market.

✓ **Perry's Hybrid.** An early variety of splendid quality. Kernels tinged with pink when ripe, with white cob.

✓ **New Champion.** This corn is unsurpassed for market use, owing to its large size and fine appearance. It is medium early, coming in at the same time as Perry's Hybrid. It is fourteen rowed and a splendid cropper. All should try it.

✓ **Crosby's Early.** An early corn of large size and choice quality. It has long been a standard variety.

✓ **Moore's Early Concord.** A well known early variety of large size, twelve rowed and of excellent quality. This makes a fine market corn.

**SWEET CORN PRICE LIST.**

We send all packets, pints and quarts free by express or mail at catalogue prices. Purchaser pays the freight on half pecks, pecks and bushels.

	Pkt.	Pt.	Qt.
Mam. White Cory .....	\$0 10	\$0 25	\$0 50
Extra Early Adams .....	10	25	50
Early Minnesota .....	10	25	50
Perry's Hybrid .....	10	25	50
New Champion .....	10	25	50
Crosby's Early .....	10	25	50
Egyptian or Washington Market	10	25	50

Write for  
prices on  
larger  
quantities.

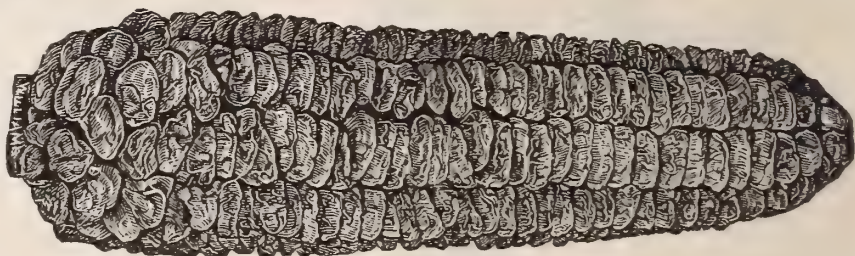


MAMMOTH WHITE CORY.

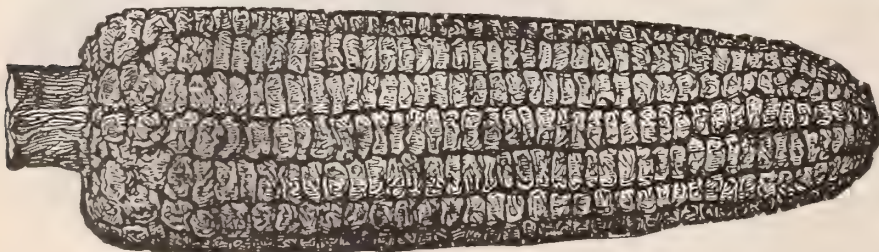
✓ **First-of-All.** A selection from the Cory, and claimed to be earlier. Reports of customers and comparative tests give it the lead by about one week. It is of good quality, being tender and sweet.

✓ **Early Cory.** This variety is the favorite for first early, and no other variety has proved earlier.

✓ **White Cob Cory.** This is an improvement over the Early Cory, as the cob is white, which gives it a finer appearance. It is as early as the Early Cory, and of excellent quality.



WHITE COB CORY.



CHICAGO MARKET OR BALLARD.

✓ **Chicago Market or Ballard.** This is the largest and best early corn in existence, twelve rowed, white cobbled and of exceedingly fine quality.

See note at foot of next page regarding Peck and Bushel prices.

This is a year that care should be exercised when buying sweet corn.

**WHEN READY TO BUY SWEET CORN, WRITE US FOR PRICES.**



*Improved Ruby* *Flamo* *Early Market*  
**CORN.**

**SWEET OR SUGAR.**

✓ **Black Mexican.** This corn, when in condition for the table, cooks remarkably white; but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. For family use it is considered by many the most desirable of the medium late sorts. It does especially well for second early in the south.

✓ **Country Gentleman.** This is the finest of the medium late varieties. The rows are zigzag, with a long slender kernel of delicious flavor. This corn is bound to sell when properly known, as its quality is the best of all.

✓ **Kendall's Early Giant.** A valuable new early sweet corn. The ears grow to a tremendous size, measuring eight to ten inches long, and having ten to eighteen rows on each cob, the majority having twelve rows; kernels pure white; sweet, tender.

✓ **Zigzag Evergreen.** This fine new strain possesses the distinct characteristics which have made Stowell's Evergreen so deservedly the favorite for main crop, but produces ears fit to use from one week to ten days earlier.

✓ **Mammoth Sugar.** A large late variety having ears of mammoth size, 14 to 20 rows. Quality excellent, not exceeded by any variety. A good canners' variety, being white grained and very uniform. A week later than Stowell's Evergreen.

✓ **Egyptian or Washington Market.** A standard variety, in season between Evergreen and Mammoth Sugar. Very sweet and well adapted for canning.

✓ **Old Colony.** This variety is two weeks earlier than the Evergreen, and almost as large. It is considered the best and sweetest by canning factories. A fine paying variety for market.

✓ **Hickox Hybrid.** Earlier than Stowell's Evergreen, and makes a large, attractive ear of very white and handsome grain. It is one of the best varieties for canners' use. By planting it at the same time as Stowell's Evergreen the season will be lengthened considerably, as the Hickox will be about through by the time Stowell's Evergreen comes in; very prolific, ordinarily every stalk will have two large, fully developed ears. The best sort for drying.

**SWEET CORN PRICE LIST.**

**PEEP O' DAY**  
Page 3.

(Continued.)

**PREMO**  
Page 3.

*Early Sheffield*

	Pkt.	Pt.	Qt.
Moore's By. Concord .....	\$0 10	\$0 25	\$0 50
First of All .....	10	25	50
Early Cory .....	10	25	50
White Cob Cory .....	10	25	50
Chicago Market .....	10	25	50
Black Mexican .....	10	25	50
Country Gentleman .....	10	25	50
Kendall's Early Giant .....	10	25	50
Zigzag Evergreen .....	10	25	50
Old Colony .....	10	25	50
Hickox .....	10	25	50
Stowell's Evergreen .....	10	25	50
Mammoth Sugar .....	10	25	50

Write for  
prices on  
Pecks  
and  
Bushels.  
Value  
changes.

**STOWELL'S EVERGREEN.**

This standard main crop variety excels all other late sorts in sweetness and productiveness. It is more popular than any other for canning, for marketing and for the home garden.

*Peep O' Day*  
**ALL VARIETIES OF SWEET CORN ARE SCARCE.**

How scarce some of them are will develop as the season advances. In order to give our customers the benefit of the lowest market value we do not print any peck or bushel prices. We give prices upon application. Being among the largest dealers in the trade we shall be able to quote at the lowest prices for a good article.

**WRITE FOR OUR PRICES AT ONCE.**

**NOTICE OUR FIELD CORN AND FODDER CORN PAGES 72 AND 73.  
ALSO POP CORN, BROOM CORN AND KAFFIR CORN.**







CHICAGO PICKLING.

## CUCUMBER.

**Chicago or Westerfield Pickling.** A variety much esteemed above all others by Chicago market gardeners, and grown extensively for the large pickling establishments in this vicinity. Fruit medium length, pointed at each end, with large and prominent spines; color a deep green. It combines all the good qualities of an early cucumber.

**West India Gherkin.** A very small, oval prickly sort, distinct from all others. It is grown for pickles only. It is the smallest of all the cucumbers, and should be pickled when young. Pkt., 5c.; oz., 15c.

**Early Russian.** Earliest and hardiest small cucumber in cultivation, being only three to four inches long; thick and oval in shape, and produced in pairs. Solid, with few seeds.

**Early Cluster.** Vines vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, uniformly thick end, dark green, but paler at blossom end. A very productive sort.

**Green Prolific or Boston Pickling.** A distinct variety. A favorite with pickle growers and commercial gardeners, and good for table use. Quite productive. Fruit small, uniform in size.

**Nichol's Medium Green.** A valuable and handsome variety, in shape between White Spine and Long Green. An excellent sort for pickles and useful for forcing. Very prolific. Fruit straight and smooth; color dark green; flesh tender and crisp.

**Early Frame or Short Green.** An excellent sort both for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green; flesh tender and crisp, and makes fine pickles.

**Jersey Pickle.** Sixty days to make pickles. It is productive, and is said to "green" better than any other variety, and to "hold color." Over one hundred and fifty thousand bushels of small fruit of this variety are picked annually in Burlington County, New Jersey. No other sort is used, no other kind of seed could be given away. Early spring sowings will develop fruit of pickling size, two to three inches long, in sixty days. Early summer sowings in thirty days.

**Thorburn's Everbearing.** Small size, very early and enormously productive, and valuable as a green pickler. It continues to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not. Remarkably solid, with very few seeds, and of very fine quality, both for slicing and pickling. Invariably of perfect form, even when very small.

**Japanese Climbing.** While all cucumbers are running vines, yet this variety is much more creeping, or climbing in its habit, so much so that it quickly climbs on poles or trellises in the same manner as the Pole Lima bean. It is entirely distinct. The quality is splendid. It is well adapted for pickling, as well as for slicing for salads. The great advantage of having a cucumber which can be trained on a pole or a fence will be apparent to all.

**Improved Long Green.** Not so abundant a bearer as the preceding sorts, though recommended to all who put up their own pickles; fruit long and slim; not surpassed in quality by any variety. This is not the ordinary Long Green, but a much superior sort, being twice as long and of better proportion.

**Parisian Prolific Pickling.** A slim and slender pickle, from three to five inches long, covered with black, hairy spines. The fruits are of the deepest green, which, combined with its brittle crispness, renders it an ideal pickle. When in the pickling stage the cucumbers show no sign of seed.

### CUCUMBER PRICE LIST.

The prices are for the seed prepaid by mail.

	Pkt.	Oz.	¼ Lb.	Lb.
✓ Chicago Pickling.....	\$0 05	\$0 20	\$0 60	\$2 00
✓ Early Russian.....	05	20	60	2 00
✓ Early Cluster.....	05	20	60	2 00
✓ Green Prolific.....	05	20	60	2 00
✓ Nichol's Medium Green.....	05	20	60	2 00
✓ Early Frame.....	05	20	60	2 00
✓ Jersey Pickle.....	05	20	60	2 00
✓ Thorburn's Everbearing.....	05	20	60	2 00
✓ Japanese Climbing.....	05	20	60	2 00
✓ Improved Long Green.....	05	20	60	2 00
✓ Parisian Pickling.....	05	20	60	2 00

Continued on next page.





**CUCUMBER.****EVERGREEN WHITE SPINE.**

Is the most profitable cucumber for the market gardener. Best for the greenhouse, hot bed or for outdoor culture. The earliest and most productive variety. Long, straight, and of rich, deep green color throughout. Brings more money per dozen on the street than any other variety. Our strain is constantly being improved and remains in a green, fresh looking state longer than any other cucumber.



**Giant Pera.** An exceedingly large growing sort, of excellent quality for slicing. Shape long, thick and smooth, having no spines. Pkt., 5c.; oz., 15c.

**CUCUMBER PRICE LIST.—Continued.**

	Pkt.	Oz.	¼-Lb.	Lb.
Evergreen White Spine .....	\$0 05	\$0 20	\$0 60	\$2 00
Early White Spine .....	05	20	60	2 00
Arlington White Spine .....	05	20	60	2 00
Cool and Crisp .....	05	20	60	2 00
Albino .....	05	20	60	2 00
The Emerald .....	10	30	75	3 00

**Early White Spine.** One of the best sorts for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. In this country this variety is used more, perhaps, than any other for forcing under glass.

**Arlington.** A selection from the White Spine, being more pointed at each end. The young fruits are unusually crisp and tender, and are of very dark green color, so that the variety is considered by many to be the best for small pickles.

**Cool and Crisp.** A strain of White Spine somewhat like the Arlington, but larger and less symmetrical. The flesh is peculiarly crisp and tender, and it is one of the very best for table use.

**Albino.** The best white skinned sort. Introduced by us in 1894. The fruit is above medium size, symmetrical, with few large spines. The flesh is clear white, very crisp, tender and good flavored. An excellent sort for the home garden.

**The Emerald** retains every good point in the best strains of White Spine, and in addition, possesses that rich dark green color which has so long been sought for, but never before obtained. It is strictly an evergreen, retaining its color until fully ripe.

**Fordhook Famous**  
Pkt., 5c. oz.,  
25c; lb., \$3.00.  
**Cumberland, pkt.**  
5c; oz., 25c; lb.  
\$3.00.

GIANT PERA.

	Pkt.	Oz.	¼Lb.	Lb.
Early Cyclone....	\$0.05	\$0.20	\$0.60	\$2.00
Fordhook Pickling	.05	.20	.60	2.00

LEONARD'S EVERGREEN WHITE  
SPINE, Page 11.



THE EMERALD CUCUMBER.





IMPROVED NEW YORK SPINELESS EGG PLANT.

## ENDIVE.

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.

GER., *Endivien*. FR., *Chicoree*. SP., *Endivia*.

✓ **Green Curled.** Beautifully curled, tender and crisp. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.

✓ **Moss Curled.** More finely curled, and a heavier and more dense plant than Green Curled. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

✓ **White Curled.** Very tender when cut young; blanches readily. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.

✓ **Broad-Leaved Batavian.** (*Escarrole*.) This variety is chiefly used in soups and stews; requires to be tied up in blanching. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.

## GARLIC.

A bulbous rooted plant, with a strong, penetrating odor, but much esteemed by some for flavoring soups, stews, etc. We frequently receive orders for garlic seed, but we can only supply bulbs. Lb., 30c., postpaid.

By Express or Freight, at expense of purchaser.

Lb., 20c.; 25 lbs., \$4 00; 50 lbs., \$7.00; 100 Lbs., \$12.00



GARLIC.

## DANDELION.

The dandelion is a hardy perennial plant, resembling endive, and affords one of the earliest and most healthful spring greens or salads. Sow early in spring in drills 12 inches apart, and thin out to 6 inches in the drills; the following spring it will be fit for use.

✓ **Broad Leaved.** Pkt., 10c.; oz., 40c.

✓ **Improved Thick Leaved.** An improved thick-leaved variety. Pkt., 10c.; oz., 40c.

## EGG PLANT.

✓ **Leonard's Improved New York Purple Spineless.** Very large and smooth, fine dark color. Ours is the spineless plant, most preferred by our market gardeners, both east and west. We have made the most careful selection possible of our stock plants, and know it to be unsurpassed for the market. Pkt., 5c.; oz., 25c.  $\frac{1}{4}$  lb. \$1.00.

✓ **Black Pekin.** A fine variety, bearing large, round, deep purple fruits, fine grained, and of superior quality. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

✓ **Early Long Purple.** Early, hardy and productive; excellent for the table. Pkt., 5c.; oz., 25c.

✓ **The Pearl.** A new white variety. Pkt., 5c.; oz., 25c.



GREEN CURLED ENDIVE.

## HORSE RADISH.

Horse radish produces no seed, but is grown from pieces of the roots. Culture—mark off rows two and one-half feet apart in rich, moist, well prepared ground, and set the pieces of roots eighteen inches apart in the rows, vertically, the small end down, and the top one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds.

Roots, per dozen, 20c., postpaid.

Roots, per 1,000, \$5.50.



HORSE RADISH.



# AROMATIC, MEDICINAL AND POT HERBS.

## GENERAL CULTURAL DIRECTIONS.

Most of the varieties thrive best on rich, sandy soil, which should be carefully prepared and well cultivated, as the young plants are for the most part delicate and easily choked out by weeds. Sow as early as the ground can be made ready, in drills sixteen to eighteen inches apart, taking pains that the soil is fine and pressed firmly over the seed; or they may be planted as a second crop—the seeds sown in beds in April, and the plants set out in June. Most of them should be cut when in bloom, wilted in the sun and thoroughly dried in the shade.

	PKT.	OZ.	LB.
Annis .....	5c.	\$0.15	
Balm .....	5c.	.25	
Basil.....	5c.	.10	
Borage.....	5c.	.10	
Caraway.....	5c.	.05	
Coriander.....	5c.	.05	
Dill.....	5c.	.10	\$1.00
Fennel.....	5c.	.50	
Horehound.....	5c.	.25	

	PKT.	OZ.	LB.
Hyssop .....	5c.	\$0.25	
Lavender .....	5c.	.15	
Sweet Marjoram.....	5c.	.15	\$1.50
Rosemary.....	5c.	.40	
Rue.....	5c.	.25	
Sage—Broad Leaf.....	5c.	.20	2.00
Saffron.....	5c.	.15	
Savory, Summer.....	5c.	.25	
Thyme.....	5c.	.20	

## KOHL-RABI

*Kohl-Rabi*, GER.

*Chou Rave*, FR.

*Col de Nabo ó Nabicol*, SP.

One ounce of seed will sow a drill of about one hundred and fifty feet.



KOHL-RABI.

✓ **Earliest Erfurt.** A white, tender variety, with a smooth root and very short top; the best variety for outdoor culture. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00.

✓ **Early Short Leaved White Vienna.** The finest for market. Flesh white and tender. Oz., 20c.; ¼ lb., 75c.

✓ **Early Purple Vienna.** Bluish purple; similar to the above, except in color. Pkt., 5c.; oz., 15c.

✓ **Large Green.** Hardy, quite late, and used for feeding stock. Bulbs large, weighing eight to ten pounds, whitish green in color; leaves large and numerous. Oz., 20c.; ¼ lb., 60c.; lb., \$1.75.

## KALE, OR BORECOLE.

One ounce of seed will sow a drill of about two hundred feet.

✓ **Dwarf Green Curled German.** Leaves yellowish green, very compact and beautifully curled; sow in September for winter and early spring use. Pkt., 3c.; ½ oz., 5c.; oz., 10c.; ¼ lb., 25c.; lb., \$1.

✓ **Dwarf Curled Scotch.** Leaves bright green, curled, very tender and fine flavored; an excellent sort for private gardens. Oz., 10c.

✓ **Siberian Kale, or Winter Sprouts.** This is also called German Green, and is sometimes sold for Dwarf Green Curled Kale. It is not as curly as the Dwarf Curled Kale and is different from it in color. The leaves are smooth in the center, having a fringed edge. Color has a bluish tinge, not the deep green of the Dwarf Curled Kale. Pkt., 5c.; oz., 10c.; lb., 60c.

✓ **Sea Kale.** A delicious vegetable, grown for its blanched shoots, which are cooked like asparagus. Sow in the spring and plant out like cabbage. During the summer the plant will make a slender growth. The plant being perennial, young shoots appear the second spring, and these are covered with earth to blanch, or with a flower pot; and if it is desired to force them, cover the pot and earth around with fresh manure. Pkt., 10c.; oz., 25c.

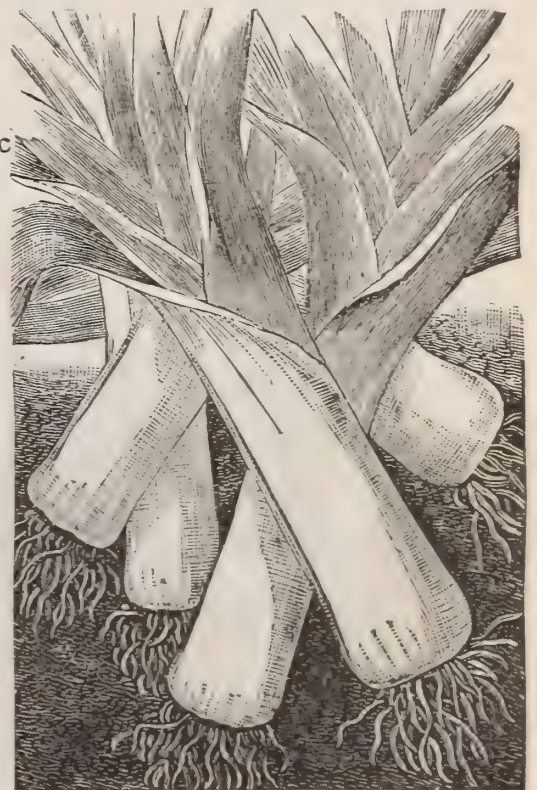
## LEEK.

✓ **Large American Flag.** Large, hardy and of excellent quality. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.50.

✓ **Giant Carentan.** The favorite market variety, large thick stem, of mild flavor and attractive appearance. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.50.

✓ **Musselburgh.** Grows to a very large size, with broad leaves, spreading like a fan; hardy, of excellent quality. Pkt., 5c.; oz., 15c.

✓ **London Flag.** An old and popular sort: one of the hardiest and best for winter use. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.50.



LEEK—MUSSELBURGH.



DWARF CURLED SCOTCH KALE.



FOR PRICES,  
SEE  
FOOT OF PAGE.

## LETTUCE.



BLACK SEEDED SIMPSON LETTUCE.

✓ **St. Louis Head.** The most popular and satisfactory head lettuce with the Chicago market gardeners. It forms a fine head, is tender and crisp, and is very slow to run to seed. Outer leaves are light green, and the inner ones are bright, creamy yellow, of a very fine flavor. Altogether, we recommend it as being the best head lettuce for general use.

✓ **The Morse.** A careful selection from the Black Seeded Simpson. Leaves are wrinkled and of a beautiful green color. For growing under glass it is a very desirable sort. Leaves are large and tender.

✓ **Tilton's White Star.** A good early lettuce, rapidly becoming popular with market gardeners for sowing under glass.

✓ **Silver Ball.** A good hard heading variety, and withstands the summer heat well.

✓ **Mammoth Black Seeded Butter.** Resembles the old Black Seeded Butter very closely, but is much larger, forming an enormous head, every part of which is tender, crisp and sweet. It is a good sort for all seasons.

✓ **Iceberg.** A beautiful lettuce. Large, curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curves strongly to the center, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched.

✓ **Salamander.** This will stand the summer heat better than any other variety. Fine improved strain.

✓ **All the Year.** A good sort for early or late planting, and withstands the summer heat well.

✓ **Brown Dutch.** This variety is a good seller. Makes a round head tinged with red.

✓ **Early Tennis Ball, White Seed.** A good early sort, and used largely by eastern gardeners for forcing.

✓ **Early Tennis Ball, Black Seed.** A good lettuce for early use. The heads are small, but are very crisp and solid.

✓ **Early Curled Silesia.** A very early tender sort, with fine curled leaves.

✓ **Boston Curled.** Curled leaves of good quality, a popular variety among eastern growers.

✓ **Defiance.** Of a light green color, with the outer edge of the leaf slightly curled. Makes a large head.

✓ **Hubbard Market.** A large heading variety, good for either forcing or sowing in open ground.



ST. LOUIS HEAD.



ICEBERG LETTUCE.

PRICES OF ALL VARIETIES OF LETTUCE ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 30c.; LB., \$1.00; POST-PAID.



## LETTUCE.

For Prices, See  
Foot of Page.

✓ **The Deacon.** A magnificent butter head lettuce. It stands the hot weather without becoming bitter or running to seed, and bears fine, large heads of superb quality. Light green outside, and, within, a beautiful cream yellow of delicious, rich, buttery flavor. Highly recommended for home or market use.

✓ **Prize Head.** A good header. Solid and large.

✓ **California Cream Butter.** A grand, good butter lettuce. The heads are of good size, round and solid; outside, medium green; within, the leaves are a rich cream yellow color. Rich and buttery in taste.

✓ **Wonderful.** Introduced four years ago and continually growing in favor. The large, white heads resemble cabbage in their solidity, and frequently weigh two and three pounds each. The quality is superb, being crisp, rich and tender. It withstands the heat well, making a fine variety for all seasons.

✓ **Buttercup.** A head lettuce of fine quality. Inside of head is waxy, crisp and delicious.

✓ **New York.** Is of unusual size and solidity of head, with but little tendency to run to seed. We have had it, time and again, eighteen inches in diameter, and weighing nearly four pounds, with heads almost as solid as an Early Summer cabbage, which in general form it somewhat resembles. The variety blanches itself naturally, is crisp, tender and of excellent flavor.



WONDERFUL LETTUCE.



CHARTIER HEAD LETTUCE.

✓ **Yellow Seeded Butter.** This withstands summer heat well, and remains in head long before running to seed. It is a very distinct sort, making a large, dense yellow head, very crisp and tender, and excellent in flavor. Its beautiful yellow heart gives it a very handsome appearance.

✓ **All Seasons.** One of the best all head lettuces, standing the hot sun better than any other sort. Slow to seed. Handsome; enormous size; color, light green.

✓ **Denver Market.** This is a fine crisp, crimped head variety. It has a slight tinge of red at the edges of the leaves. The ribs are a waxy white, being tender and free from bitterness.

✓ **Paris White Cos.** The Cos lettuce differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height, and five or six inches in diameter. The outer coloring of this variety is yellowish green. To be had in perfection it requires to be tied up to insure blanching. Millions of this variety are annually grown to supply the markets of London alone.

✓ **Chartier.** It makes a very large, firm head, almost as hard as a cabbage, is very tender and crisp, and has a peculiar, fine flavor. It is of a beautiful green color, and the outer edges of the leaves are tinged with brown. It withstands the summer heat well, and is slow to run to seed.

✓ **Big Boston.** This variety is identical in color, shape and general appearance with the famous Boston Market lettuce, but is double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A most desirable variety, either for forcing in cold frames or open ground planting. The Big Boston is sure to be wanted by market gardeners and trucksters, because it always produces large, solid, salable heads, and will commend itself to amateurs because it heads up well at all seasons of the year, and is of crisp, tender quality. Pkt., 5c.; oz., 10c.; ¼ lb., 40c.; lb., \$1.50.

✓ **Hanson.** Heads very large, from two to three pounds each; hearts quickly and stands the summer well; quality excellent.

✓ **Oak Leaved.** A very superior new variety, both in quality and appearance; leaves light green, oak shaped, slightly curled, set close, having no coarse stems, of fine flavor and extreme tenderness.



DENVER MARKET LETTUCE.

**PRICES OF ALL VARIETIES OF LETTUCE ON THIS PAGE, EXCEPT WHERE OTHERWISE NOTED, ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 30c.; LB., \$1.00; POST-PAID.**





## MUSK MELON.

✓ **Rocky Ford.** This new musk melon is similar to the oval strain of Netted Gem. The strain here offered originated with the melon growers in the vicinity of Rocky Ford, Colorado, who have shipped this melon from that distant western point to eastern markets. The melons grown by them are so fine in quality as to outsell all others, and the demand for such melons has been far beyond the supply.

✓ **Skillman's Netted.** An excellent early melon with fine, tender flesh.

✓ **Netted Gem.** The best early melon known. Shipped to every market of note, in great quantities, every year. Medium size, but of excellent flavor.

✓ **Jenny Lind.** A good early melon.

✓ **Green Fleshed Osage.** Quality of the best, flesh a beautiful pea green; also a good shipper.

✓ **Early Hackensack.** A green fleshed nutmeg, of excellent form. A very early and splendid melon.

✓ **Hackensack.** A large, deeply netted melon, flattened at the ends, of most delicate flavor, and very productive.

✓ **Champion Market.** Shape almost round, deeply ribbed; skin heavily netted; flesh light green, rich, and sweet. Very productive, and nearly as early as the Netted Gem. An excellent shipping variety.

✓ **Chicago Market.** Fruit large, round or slightly oval with very shallow depressions and covered with dense netting. Flesh green, medium texture, very thick and sweet. The variety is an improvement on Montreal and will suit those who like a large, sweet, green fleshed sort.

✓ **Garden Lemon.** An excellent fruit for preserving. Is shaped as shown in cut. Has a decided acid flavor. Pkt., 5c.; oz., 10c; ¼lb. 30c; 1b. \$1.00



CHICAGO MARKET NUTMEG.



All Vine Crops were short the past season. Prices consequently ruled high. Early purchasing is advised on all Vine Seeds.

✓ **Melrose.** A fine new melon, having splendid keeping qualities and with flesh of extra choice quality.

✓ **Columbus.** A very fine melon. Almost a perfect ball, with a thickly netted skin, giving it a very handsome appearance.

✓ **Bay View.** A large, prolific and fine flavored, green fleshed melon of recent introduction, and from all reports, of great

value, and likely to become a standard sort. It is stated that with ordinary cultivation this variety has produced melons weighing ten to fifteen lbs.

✓ **Vine Peach.** Very similar to Garden Lemon, and used for preserving. Pkt., 5c.; oz., 10c; ¼lb. 30c; 1b. \$1.00.

✓ **Acme or Baltimore.** A very productive, oblong musk melon, that is quite popular in the Baltimore markets.



FOR PRICES OF ALL MUSK MELONS SEE NEXT PAGE.



# MUSK MELON.

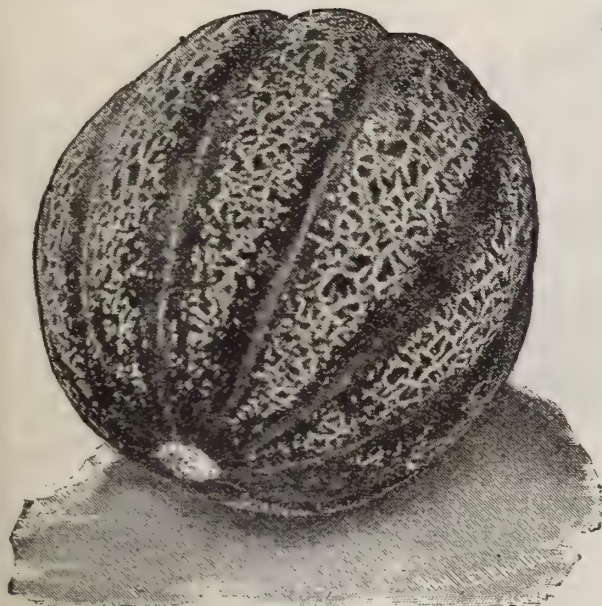
## PAUL ROSE MELON.

This new musk melon is a cross between the Netted Gem and the Osage, which two are probably the most valuable melons in cultivation.

In a letter dated Nov. 15, 1897, Mr. Paul Rose says: "I have found in my experience of nearly twenty years in melon growing, that there is an increasing demand in most of the large cities of the northern states for salmon fleshed melons, and further, that the trade prefer their melons in the half-bushel Climax basket." There you have the whole story in a nutshell.

## SALMON FLESHED AND BASKET SIZE

Add to these essential points exceeding sweetness and solid texture of flesh, combined with the best shipping qualities, and you have a melon such as every shipper longs for.



THE OSAGE.

ance, and so very juicy, sweet and rich that it almost drops to pieces. It matures very early, and is quite productive.

**Banquet.** A medium sized variety, nearly round, flattened at the ends, densely netted. Flesh dark rich salmon, uniformly thick, flavor unsurpassed, rivaling the Netted Gem.

**Tip Top.** A new melon of recent introduction, and very deserving. All who have tried it have pronounced it one of the finest. Flesh yellow and sweet.

**Surprise.** This old variety is still highly esteemed. Fruit nearly round, but slightly lobed and netted. Skin yellowish white. Flesh deep salmon color, very sweet and high flavored.

**Delmonico Musk Melon.** A new oval-shaped musk melon of large size, finely netted, and has beautiful orange pink flesh, and is pronounced by connoisseurs to be a melon of *par excellence*. We offer the Delmonico to our customers with the full assurance that it will be found a most delicious variety.

**McCotter's Pride.** A western variety of recent introduction. It is a very large and fine looking melon, nearly round, dark green in color, slightly and evenly ribbed. The flesh is orange red, fine-grained, thick, sweet, and of excellent flavor.

**Ornamental Pomegranate.** A very interesting and handsome fruited vegetable. Fruit similar to Vine Peach in size, color mottled and having a rich perfume. Pkt., 5c.; oz., 10c; 1/4lb 30c; 1b. \$1.00.

We issue a Special List for Market Gardeners. Those who Grow Vegetables for Market are Entitled to it. Send your Name and Address.

## PRICE LIST.

The packet, ounce and pound prices are for the seed prepaid by mail or express. Customers purchasing pounds or larger quantities to go with other goods, deduct 10 cents per lb.

	PKT.	OZ.	1/4 LB.	LB.		PKT.	OZ.	1/4 LB.	LB.
Paul Rose....	\$0.05	\$0.10	\$0.30	\$1.00	Skillman's ....	\$0.05	\$0.10	\$0.30	\$1.00
The Princess..	.05	.10	.30	1.00	Netted Gem...	.05	.10	.30	.75
Osage.....	.05	.10	.30	1.00	Jenny Lind....	.05	.10	.30	1.00
Emerald Gem..	.05	.10	.30	1.00	Green Osage ..	.05	.10	.30	1.00
Banquet.....	.05	.10	.30	1.00	Ey. Hackens'k	.05	.10	.30	1.00
Tip Top.....	.05	.10	.30	1.00	Hackensack ...	.05	.10	.30	1.00
Surprise.....	.05	.10	.30	1.00	Champion Mkt	.05	.10	.30	1.00
Delmonico ....	.05	.10	.30	1.00	Chicago M'ket	.05	.10	.30	1.00
M'Cotter's Pride	.05	.10	.30	1.00	Melrose .....	.05	.10	.30	1.00
Bay View.....	.05	.10	.30	1.00	Columbus ....	.05	.10	.30	1.00
Rocky Ford...	.05	.10	.30	.75	Acme .....	.05	.10	.30	1.00

**The Princess.** This new melon is one of the best for the home garden. In shape it is nearly round, with heavy netted dark green skin. The flesh is salmon color, thick, sweet and luscious. The melons ripen early, grow to good size, often weighing eight to ten pounds. The vines grow vigorously and are very productive. We can fully recommend the Princess to market gardeners who supply their home markets, and to all who desire to grow a good melon for their own use.

**Osage, or Miller's Cream.** A remarkably fine variety, and a very profitable sort for market gardeners, as it is fully established as a standard sort, and will ever remain so. It is of medium size, oval in form, dark green in color, handsomely netted and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color; highly flavored and delicious to the rind. Cavity very small. It is a remarkable keeper and a good shipping melon.

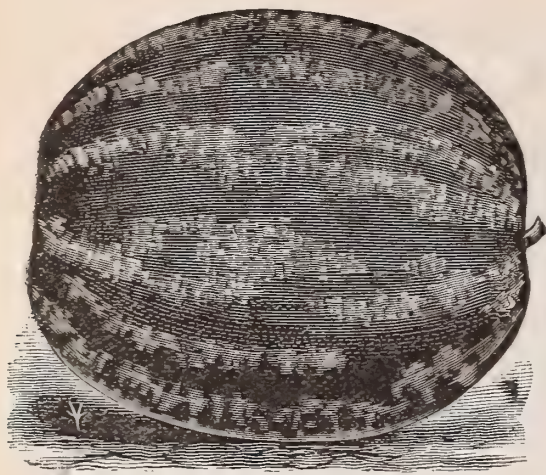
**Emerald Gem Melon.** The Emerald Gem is entirely unlike any other musk melon yet introduced. The melons are about the size of the Netted Gem, but, unlike that variety, the skin, while ribbed, is perfectly smooth, and of a very deep emerald green color. The flesh, which is thicker than any other native melon of the same size, is of a suffused salmon color, and ripens thoroughly to the thin green rind, which is distinctly defined. The flesh is peculiarly crystalline in appearance.



ORNAMENTAL POMEGRANATE.



## WATER MELON.



COLE'S EARLY.

✓ **Cole's Early.** Very hardy, a sure cropper, and extremely delicate in texture of flesh, which is of a dark red color; rind is thin and extremely brittle, hence not desirable for shipping purposes, but possessing all the other most desirable features. We highly recommend it for home use. Medium size, nearly round; rind green, striped with lighter shades.

✓ **Dixie.** A popular market sort. Vine vigorous, large growing and hardy; fruit medium sized to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade; rind thin but tough; flesh bright scarlet, ripens closely to the rind, is of the best quality and free from the hard, coarse center which is so objectionable a feature of many shipping melons.

✓ **Peerless.** The old but extremely popular home market melon. There is none better, nor a more handsome melon grown. It is medium in size, almost round; the skin a pale green, slightly mottled; flesh bright scarlet, fine-grained, solid to the center, sweet, crisp and melting. Its delicious flavor entitles it to the name of **Peerless**.

✓ **Mountain Sweet.** A large, oval variety; rind green; flesh scarlet and quite solid to the center; very sweet and delicious. This is an old standard sort and one of the best for the home garden.

✓ **Pride of Georgia.** Round, large, crisp; bright red flesh.

✓ **Jumbo.** Immense in size. The common weight of this melon is sixty to eighty pounds. The rind is hard and firm, which makes it a superior variety for long distance shipping. In shape it is nearly round; color solid dark green; flesh deep red and of fine quality.

✓ **Mammoth Ironclad.** This variety, like the preceding, grows to an immense size. It is a remarkably strong grower, very productive, and an excellent keeper. The skin is beautifully striped with light green. The hardness and tenacity of its shell gives it the name of "Ironclad." Flesh bright red, solid, crisp and of excellent flavor.

✓ **Cuban Queen.** Fruit medium size to large, globular or oval; skin striped light and dark green in sharp contrast; rind medium thick, but stands shipment well. Flesh bright red, solid, very crisp and sugary.

✓ **Monte Cristo.** A splendid sort for new markets. Vine vigorous and productive; fruit of medium size; oval; color dark, mottled green in two shades, forming indistinct stripes. Flesh very bright, rich red; exceedingly sweet and tender.

✓ **Triumph.** A new southern variety. The fruit is uniformly large, nearly round, dark green, indistinctly striped with a lighter shade; rind thin and firm, making it an excellent shipper. Flesh bright red and of good quality.

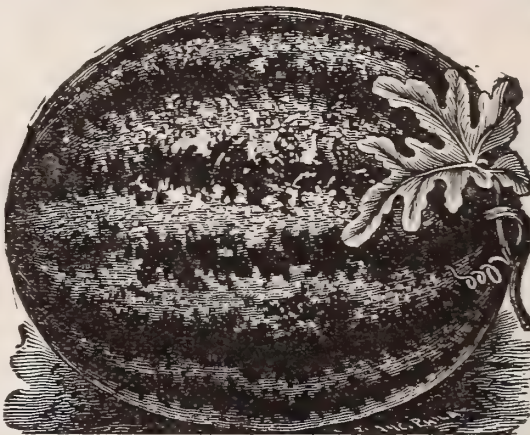
✓ **Black Diamond.** A cross between Kolb's Gem and Hoosier King.

✓ **Phinney's Early.** Few, if any, of the early sorts of recent introduction surpass this old favorite. It is first to ripen, of good size and productive; shape oblong; rind a distinct mottled color; the flesh is a deep red; a first-class early market melon.

✓ **Vick's Early.** This variety is prized for its earliness. It is oblong in shape, smooth, with a very dark skin, rather small in size; flesh bright pink, solid and sweet. It makes a good extra early market or home garden melon.

✓ **Seminole.** An exceedingly productive, extra early variety, of large size. Fruit oblong in shape; flesh solid, ripening clear up to the rind, vivid crimson, crisp, sugary and of delicious flavor.

✓ **Gypsy, or Georgia Rattlesnake.** One of the largest varieties, and stands shipment long distances. Fruit cylindrical, square at the ends, smooth, distinctly striped and mottled light and dark green. Flesh bright scarlet and very sweet.



KOLB'S GEM.

✓ **Boss.** Early and very large; a good shipper.

✓ **Ice Cream.** Medium sized, with very sweet, scarlet flesh. A good variety for main crop.

✓ **Kolb's Gem.** Vines of medium size, but remarkably vigorous and healthy. Leaves of medium size, deeply cut with a peculiar frilled edge. Fruit of the largest size, round or slightly oval, marked with irregular mottled stripes of dark and light green. Outer rind or shell exceedingly hard and firm, making it a good sort for shipping long distances. Flesh bright red, solid, a little coarse, but sweet and tender.

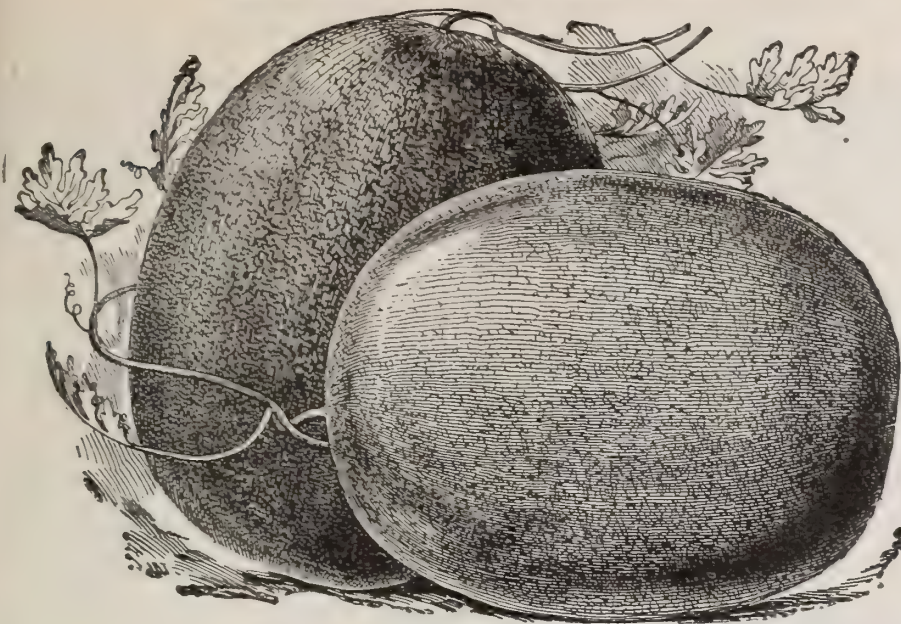


MONTE CRISTO.

FOR ALL WATER MELON PRICES SEE NEXT PAGE.



## WATER MELONS.



SWEET HEART WATER MELON.

### SWEET HEART WATER MELON.

This new melon is early, large, handsome, heavy and productive. The shape is oval, and color mottled light to very light green. Flesh bright red, solid, but tender and very sweet. We have a very fine stock grown from selected stock seed procured from the originator, hence it is as pure and true as the original.

**Black Spanish.** Large, roundish, nearly black; dark red flesh; early.

**Florida Favorite.** A very large, long melon, mottled dark green, with stripes of lighter shade. Rind thin but firm; flesh very bright, deep red; very sweet, tender and excellent. A very popular variety in the south.

**Nabob.** A very large, solid and heavy melon, weighing from 30 to 50 pounds; oblong in shape, with dark green skin mottled with light green spots. Rind thin but very firm. Flesh deep scarlet, of delicious quality—sweet, luscious and melting.

### WATER MELON PRICES.

The packet, ounce and pound prices are for the seed prepaid, by mail or express. Customers purchasing pounds or larger quantities to go with other goods, deduct 10 cents per lb.

	PKT.	OZ.	LB.		PKT.	OZ.	LB.		PKT.	OZ.	LB.
✓ Phinney's Early..	5c	\$0.10	\$0.60	✓ Peerless.....	5c	.10	.60	✓ Monte Cristo.....	5c	\$0.10	\$0.60
✓ Vick's Early.....	5c	.10	.60	✓ Mt. Sweet.....	5c	.10	.60	✓ Triumph.....	5c	.10	.60
✓ Seminole.....	5c	.10	.60	✓ Pride of Georgia..	5c	.10	.60	✓ Black Diamond..	5c	.10	.60
✓ Gypsy.....	5c	.10	.60	✓ Jumbo.....	5c	.10	.60	✓ Sweet Heart.....	5c	.10	.60
✓ Coles Early.....	5c	.10	.60	✓ Ironclad.....	5c	.10	.60	✓ Black Spanish...	5c	.10	.60
✓ Dixie.....	5c	.10	.60	✓ Cuban Queen.....	5c	.10	.60	✓ Florida Favorite..	5c	.10	.60
								✓ McIver Sugar.....	5c	.10	.60

### McIVER'S WONDERFUL SUGAR MELON.

THE SWEETEST MELON GROWN.

Without a single exception this is the sweetest water melon of all. The melons attain a great weight, are of a very handsome appearance, *never crack* or lose their fine flavor in the wettest season. It is a very productive and hardy variety, and one that will take the lead wherever known.



McIVER'S WONDERFUL SUGAR MELON.

SEE THE NEW WATER MELON, GILBERT'S SUCCESS. AMONG THE NOVELTIES.





## MARTYNIA.

The martynia, or unicorn plant, is quite ornamental in growth, quickly forming large bushes and bearing handsome gloxinia-like flowers. When young and tender the seed pods make excellent pickles, and as they are produced in great abundance, three or four plants will suffice for an ordinary garden.

**Martynia Proboscidea.** The best variety for pickles. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

## MUSTARD.

Mustard is not only used as a condiment, but the green leaves are used as a salad, or cut and boiled like spinach. The culture should be the same as that of cress.

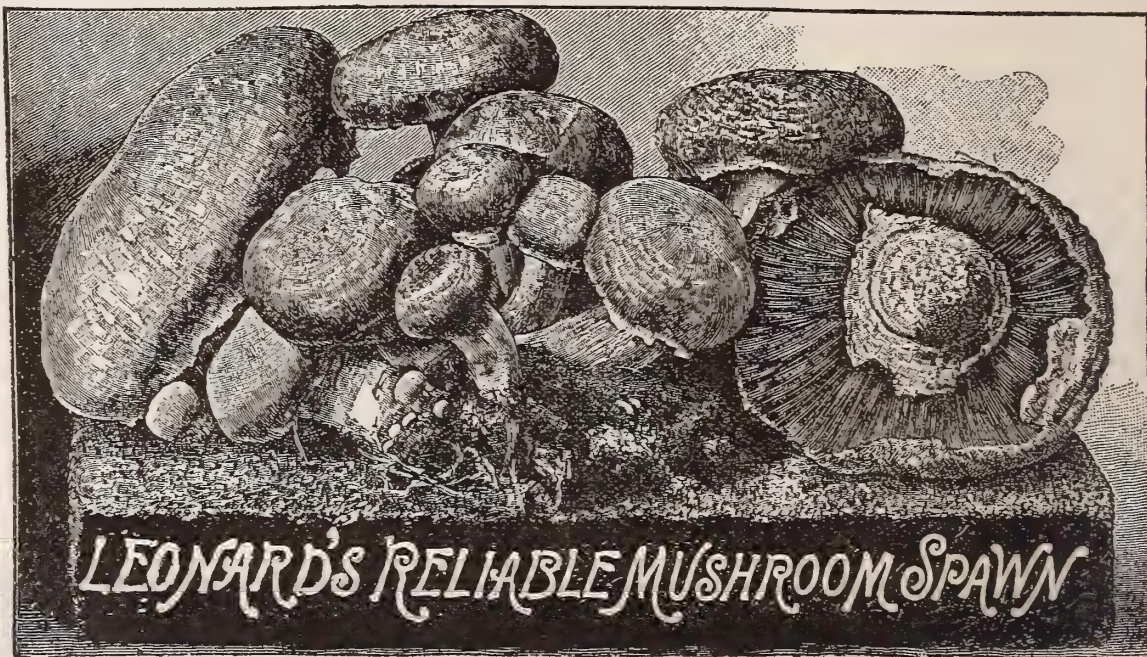
**White English.** The leaves are light green, mild and tender when young; seed light yellow. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**New Chinese.** Highly esteemed for salads particularly in the south. The leaves are twice the size of the ordinary white mustard; flavor sweet and pungent. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

**Southern Giant Curled.** This mustard is very highly esteemed in the south, where the seed is sown in the fall, and the plants used very early in the spring as a salad. Our stock is the true curled leaf. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## MUSHROOM SPAWN.

Mushroom beds may be made in a warm, dry cellar, or in any building where the frost does not penetrate, and in the open air during the summer and fall months. Having procured the spawn, the next thing to be attended to is to make preparation for the beds. About a fortnight or three weeks before the beds are to be made, collect a quantity of fresh horse manure without



the straw; place it in a heap under cover, and as it heats, keep turning it over once or twice a week, until the fiery heat has been exhausted, which will require from ten to fourteen days' time. When the manure is in a condition to be made up, lay out your bed according to your requirements. Break the spawn in pieces two inches square, and put them six inches apart all over the bed; then cover the bed with two inches of rich soil, the stronger the better, but of a loamy quality, beating it down firmly with a spade.

**English Spawn.** It comes in pressed bricks weighing about 20 ounces. Price, per brick, 25c.; 5 for \$1.00. post-paid. By express or freight, 10 lbs., \$1.20; 25 lbs., \$2.50; 100 lbs., \$9.50.

**French Spawn.** Put up in boxes of two pounds each. Price, per box, 75c.; if by mail, \$1.00. The same loose, per lb., 35c.; by mail, 45c.

## OKRA OR CUMBO.

This vegetable is too little grown, as its green pods impart a fine flavor and consistency to soups and stews; the pods can also be dried for winter. It is universally used throughout the south, and is as easily raised in the north. So delicious is the flavor that when once used it will be grown every year.

**Lady Finger.** The plants are uniform in growth, and with their large, hibiscus-like flowers make a pretty sight. The plants produce long, slender pods. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Dwarf Prolific, or Density.** A fine new variety, much dwarfer than the ordinary dwarf okra, and much more productive. Short, thick pods. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**White Velvet Okra.** The pods are perfectly round, smooth and of an attractive white velvet appearance; of superior flavor and tenderness. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Tall Green.** A favorite at the south; called also Perkins Mammoth Long Pod. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



OKRA.



## LEONARD'S ONION SETS.



RED BOTTOM SETS.

WHITE BOTTOM SETS.

YELLOW BOTTOM SETS.

Leonard's Onion Sets are the Chicago Standard. **We are the pioneers** in set growing here. The Chicago onion set has that fine bright color which is so much desired and being grown from the same kind of seed that produces our best large onion it produces a bulb far superior to the Southern or Southeastern product. We claim a superiority for our product which comes from superior knowledge in planting, harvesting, storing and shipping as a result of long continued experience and large operations.

Our sets are sold by grocers and seed dealers in nearly every city and town throughout the country. It is likely that some dealer in your town has them for sale, if not send direct to us or have your dealer do so.

**We are now and for many years have been the Leading Onion Set Growers of America.**

## PRICE LIST:

**We prepay** the Postage or Expressage on Pints, Quarts and 4 Quarts. **Purchaser** pays Freight or Express on Pecks and Bushels.

	Pint.	Quart.	4 Quarts.	Peck.	Bushel.
Red Bottom Sets.....	\$0 15	\$0 25	\$1 00	\$ 60	\$2 00
White Bottom Sets.....	15	25	1 00	60	2 00
Yellow Bottom Sets.....	15	25	1 00	40	1 50
Genuine Top Sets.....	20	35	1 50	1 50	4 00
Winter Top Sets.....	15	25	75	75	1 50
Potato Onions.....	20	35	1 25	1 50	4 00
White Multipliers.....	20	35	1 40	1 50	4 00
Shallots.....	15	25	1 00	1 25	3 50
Yellow Multipliers.....	15	25	1 00	1 25	3 50



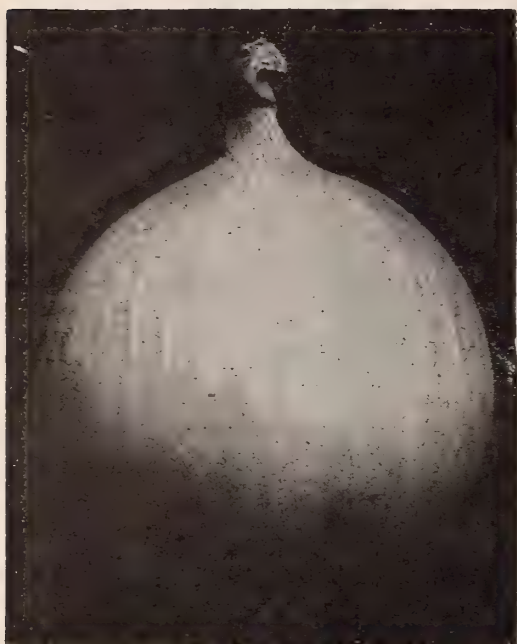
GENUINE TOP SETS.

Market Gardeners and other Large Buyers of Onion Sets should write for prices as the Values changes with the Market, and the Bushel Price may vary from the above Quotations.



ONION SETS GROWING ON OUR JEFFERSON FARM.





PRIZETAKER.

### GLOBE SHAPED RED SKINNED VARIETIES.

✓ **Leonard's Red Globe.** The best and darkest red onion. Fine shape and large size. See cut and description on page 10

✓ **Southport Red Globe.** This is a fine keeper. Large size and considered one of the best red onions. Flesh is fine grained, very mild and tender.

### FLAT SHAPED RED SKINNED VARIETIES.

✓ **Large Red Wethersfield.** We have a very fine and select strain of this sort. Color is deep purplish red, flesh white moderately grained and very firm. Yields an enormous amount per acre, and is one of the best winter keeping onions.

✓ **Extra Early Flat Red.** This variety matures from ten days to two weeks earlier than the Red Wethersfield. The color is a deep rich red, fine grain and close. The onion is solid and heavy and is a fine sort where the seasons are cold and short.



LEONARD'S YELLOW CRACKER ONION.

## CHOICE ONION SEED.

### GLOBE SHAPED YELLOW SKINNED VARIETIES.

✓ **Prizetaker.** Grows to an immense size and for fall marketing is unexcelled. Handsome bulbs of a rich yellow color and fine globe form.

✓ **Yellow Globe Danvers.** This fine onion is of large size. An early and abundant cropper. Bulbs very thick, flat or slightly convex bottoms, full oval top with small neck and rich brownish yellow skin.

✓ **Michigan Yellow Globe.** The bulbs are large and uniformly spherical with very small necks and the largest diameter below the center of the bulbs of a rich orange color. Enormous yielders and splendid keepers.

✓ **Ohio Yellow Globe.** An early Globe onion, small neck and very uniform in size and color.

✓ **Southport Yellow Globe.** A large perfectly shaped Globe onion and an excellent onion for keeping throughout the winter. A very heavy cropper, handsome in appearance and good dark yellow color.

✓ **Leonard's Yellow Globe.** For cut and description see page 10

### GLOBE SHAPED WHITE SKINNED VARIETIES.

✓ **Leonard's White Globe.** Large beautiful clear silvery white skin. The flesh is firm, finely grained and very mild flavor. See cut and further description page 10

✓ **Southport White Globe.** This grows to a very large size and is a perfectly globe shaped onion. Color is a clear pure white. This variety is used by the Chicago market gardeners entirely for bunching. A fine keeper.

### FLAT SHAPED WHITE SKINNED VARIETIES.

✓ **White Portugal.** American Silver Skin. This is the best sort to sow—for onion sets or for pickling. When sown thickly for either it makes a small round hard bulb. When grown for large onions they are very flat in shape and mild and pleasant in flavor.

✓ **Philadelphia Silver Skin.** Very desirable for family use. Flavor mild and pleasant. Skin silvery white. Sets grown from this sort are the best keepers.

### ONION PRICE LIST.

Prices include free delivery to your post office or express office. If it is to go with other goods at your expense by express or freight deduct 10 cents per lb. from prices quoted.

	Pkt.	Oz.	¼ lb.	Lb.
Prizetaker .....	\$0 05	\$0 10	\$0 30	\$0 80
Yellow Globe Danvers....	05	10	25	65
Mich. Yellow Globe.....	05	10	30	80
Ohio Yellow Globe.....	05	10	30	80
Southport Yellow Globe..	05	10	30	90
Southport Red Globe.....	05	10	30	1 00
Large Red Wethersfield..	05	10	30	75
Extra Early Flat Red....	05	10	30	80
Southport White Globe..	05	15	50	1 50
White Portugal.....	05	15	50	1 40
Phila. Silver Skin.....	05	15	50	1 25
Leonard's Yel. Cracker...	05	10	30	1 00

✓ **LEONARD'S RED GLOBE**  
✓ **LEONARD'S WHITE** "  
✓ **LEONARD'S YELLOW** " { These Special Stocks will be found on page 10 Do not fail to include them in your orders.

✓ **Leonard's Yellow Cracker.** The earliest, handsomest and best flat onion in the list. Besides being early it is one of the best keepers. Large size and fine dark yellow color.



## CHOICE ONION SEEDS.

Continued.

## FLAT SHAPED YELLOW SKINNED VARIETIES.

✓ **Australian Brown Onion.** Is of medium size, wonderfully hard and solid, and most attractive for market, both as to form and appearance. The color of the skin is a clear amber brown. So widely contrasted from any other onion is this color that it will be noticed on the market, and when once bought, purchasers will be likely to return and call again for "Those beautiful brown onions."

✓ **Early Flat Yellow Danvers.** A good variety, but not as round or quite as early as the Yellow Globe Danvers. Very productive.

✓ **Yellow Strasburg, or Dutch.** One of the oldest varieties. Bulbs quite flat, of good size, skin yellow, flesh white, of mild flavor, and keeps well. This is the variety that formerly was used very extensively for growing yellow onion sets, and while



AUSTRALIAN BROWN ONION.

still good for that purpose, it has of late years been nearly superseded by the Yellow Danvers.

## FOREIGN ONIONS.

✓ **Spanish King.** One of the handsomest onions grown. Specimens weighing nearly four pounds are often harvested. The large Spanish onions sold at such high prices on the Chicago fruit stands are the same as this variety, only they are imported.

✓ **Silver King.** This is a grand onion. It is a mammoth grower, of beautiful pearly white color, almost transparent in appearance. To match Spanish King at fairs and exhibitions, it is just what is needed.

✓ **Copper King.** This variety is the largest red onion grown. It is fine and mild in taste. With the two varieties above mentioned a combination is formed which wins prizes at all fairs for all colors.

✓ **Giant Yellow Rocca.** Of all the magnificent Italian onions now in cultivation none are more popular than the Giant Rocca. This variety is of the same fine quality and grows equally as large as the Red Rocca, which it resembles in every respect, except that the skin is of a beautiful rich yellow color, making it one of the handsomest onions.

✓ **Giant Red Rocca.** This magnificent variety is of beautiful globe shape, skin red, flesh white, of mild, pleasant flavor. Valuable either for autumn or spring sowing. It will readily produce onions of one and one-half to two pounds in weight the first year from seed.

✓ **New Mammoth Pompeii.** (Red Garganus.) This is a very fine Italian variety, rivaling the large Silver King or Giant White Garganus in weight. The skin is a delicate red, the flesh is close grained and nearly white. It is of a very mild flavor.

✓ **Neapolitan Marzajola.** A large, beautiful, silvery white skinned variety, of handsome flat shape, of very fine flavor and quality. Sown in February or March, it will produce a splendid crop early in the season. In May and June this onion has almost a monopoly of the markets in Italian towns. Seed sown in July will mature a crop the same season.

✓ **Extra Early Pearl.** A very fine, Italian variety that grows quickly to a good marketable size. Very popular, particularly in the south. The bulbs are round, flattened, with a delicate, pure white skin. Flesh very mild and pleasant in flavor. It is claimed to excel most other onions of Italian origin in keeping qualities.

✓ **New White Queen** is a fine early silver skinned variety, of beautiful form and rapid growth, and possessing fine keeping qualities. Seeds sown in early spring will produce onions from one to two inches in diameter in early summer, or if sown in early summer will be fit for use by autumn.

✓ **White Victoria.** A beautiful, large round variety with silver white skin, but sometimes of a delicate light rose color; flesh juicy, sweet, and milky white. A good keeper.

✓ **White Barletta.** When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method.



EXTRA EARLY PEARL.



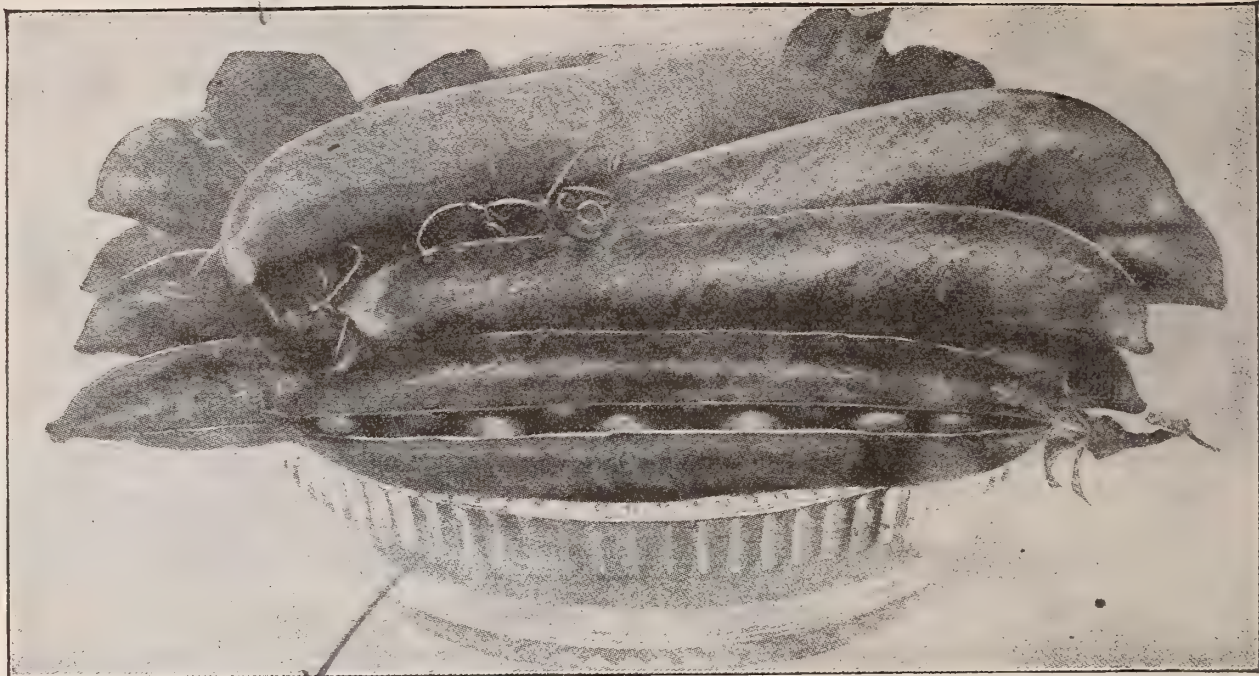
WHITE BARLETTA.

## ONION PRICE LIST.—Continued.

	Pkt.	Oz.	¼ Lb.	Lb.
✓ Australian Brown .....	\$0 05	\$0 10	\$0 30	\$0 65
✓ Early Flat Yellow Danvers ..	05	10	25	60
✓ Yellow Dutch or Strasburg ..	05	10	25	65
✓ Spanish King .....	05	15	30	1 00
✓ Silver King .....	05	15	30	1 00
✓ Copper King .....	05	15	30	1 00
✓ Yellow Rocca .....	05	15	30	1 00
✓ Red Rocca .....	05	15	30	1 00
✓ Mammoth Pompeii .....	05	15	30	1 00
✓ Neapolitan Marzajola .....	05	15	30	1 00
✓ Extra Early Pearl .....	05	15	30	1 00
✓ New Queen .....	05	15	30	1 00
✓ White Victoria .....	05	15	30	1 00
✓ White Barletta .....	05	15		



## A NEW PEA—AMEER.



AMEER PEAS.

We will send a large size packet of each of the seven splendid new peas on this and the next page for 50 cents postpaid.

such a valuable addition to the list, and it will pay everyone who grows peas to give it a trial.

**The Ameer Pea is early, hardy, vigorous and productive.** It has long, curved broad dark green pods, which are well filled with large peas of splendid quality. It is unusually early for a large podded variety, and will fill a long felt want in this respect. It comes to us highly recommended and will not disappoint anyone who wants a delicious and productive early pea. It is a great advance over any of the standard round seeded extra early kinds in quality, and just as much in advance of the wrinkled seeded early varieties in productiveness. It is this combination that makes it

Pkt. 10c.;  $\frac{1}{2}$ -Pt. 20c.; Pt. 35c.; Qt. 60c., Postpaid.

## NEW SURPRISE PEA.

The Earliest of All the Sweet Wrinkled Peas.

One packet each of the seven, 50 cts.



THE NEW SURPRISE PEAS.

Earlier than American Wonder and Nott's Excelsior and as Early as the Earliest of the Hard Round Peas.

This remarkable new sort is a cross of Earliest of All and American Wonder, possessing the quality of the American Wonder and is as early as the earliest of the hard peas. The vines grow 24 inches high and need no bushing, the pods are well filled, containing 6 or 7 peas. The peas are not as large as those of the American Wonder, but **Surprise** is a far better cropper and ready for market **days before it**. It was tested in the grounds of the "*Rural New Yorker*," and E. S. Carman wrote of it: "It is the earliest pea we have ever tried." The editor of the "*New England Farmer*" writes: "Of thirty-three varieties on trial it was the first pick and the first to dry down."

Pkt., 10c.;  $\frac{1}{2}$  Pt., 15c.; Pt., 25c.; Qt. 45c., Postpaid.  
By Express or Freight, Pk., \$1.50; Bus., \$6.00.

## ALDERMAN PEA.

This splendid new pea comes from a European specialist in hybridizing, and is a great improvement on that class of peas which are half dwarf and stocky. The pods are large, dark green, and contain seven to eight peas of superb quality. It has all the good points of the tall growing sorts besides having the advantage of not needing brush. Its fine quality and sturdy habit makes it a most desirable variety.

Pkt., 10c.;  $\frac{1}{2}$  Pt., 20c.; Pt., 35c.; Qt. 60c., Postpaid.



*Exonian Pearl*

## ✓ GRADUS OR PROSPERITY PEAS.

THE EARLIEST LARGE PODDED PEAS.

The most attractive novelty of recent years, large, handsome pods resembling Telephone in size and shape, well filled with large peas, ripening with the earliest, is certain to be eagerly sought. Ripening very quickly the pods must be picked as soon as fit for the table. Habit vigorous, very quick to germinate and push to maturity; foliage large, pale green in color; pods long, straight, slightly rounded at the point. Seed large, wrinkled, cream color. Owing to the extreme wet weather the past season the planting for seed of this variety did not yield well, consequently there is a great scarcity of the seed and prices are high:

Pkt., 10c.; 1-2 Pt., 20c.; Pt., 35c.; Qt., 55c., postpaid.

By express or freight, Pk. \$3.00; Bu. \$12.00.

## SUTTONS No. 1 PEAS.

A splendid market gardeners pea. Early and a strong grower. Exceedingly productive and bearing large handsome pods well filled with peas of delicious flavor. Comes highly recommended and will undoubtedly prove of exceptional value.

Pkt., 10c.; 1-2 Pt., 20c.; Pt., 35c.; Qt., 60c.; postpaid.

GRADUS OR PROSPERITY PEAS.

## ✓ DWARF TELEPHONE PEAS.

THE BEST DWARF LARGE PODDED PEAS.

This splendid variety of medium early Peas is excellent for market gardeners. Height, under high culture eighteen inches. Habit, dwarf, stocky, healthy and vigorous, remarkably uniform in height with almost no tendency to sport, very productive, plants frequently bearing from five to seven pods. Season, medium, from five to seven days earlier than Stratagem. Pods, long, frequently five inches in length, broad, straight, rounded or curved at the end, remarkably well filled, often containing ten peas; color, pale green, thick and of good lasting quality for market purposes. Seed of largest size, tender and of delicious flavor when fit for the table, light green and much shrivelled and shrunken when dry.

Pkt., 10c.; 1-2 Pt., 15c.; Pt., 25c.; Qt., 40c.; postpaid. By express or freight, Pk., \$1.75; Bu., \$6.00.

## ✓ BRITISH EMPIRE PEAS.

This splendid new main crop pea will please every one who tries it. It is as delicious as the old favorite Champion of England, but has a shorter vine and a larger pod. The pods are long, slightly curved and well filled. Its beauty, productiveness and fine quality combined are sure to make it exceedingly popular wherever used.

Pkt., 10c.; 1-2 Pt., 20c.; Pt., 35c.; Qt., 60c.; postpaid.

DWARF TELEPHONE PEAS.





## PEAS.

### EXTRA EARLY VARIETIES.

✓ **Leonard's First and Best of All.** Ahead of all others in earliness and productiveness. It has held the lead for many years on the Chicago market, and is the best first early variety for the market gardener. It is very prolific, and ripens so uniformly that the vines can be cleaned at one picking. The most hardy.

✓ **Maud S.** A very fine extra early sort, hardy, productive and of good flavor.

✓ **Philadelphia Extra Early.** One of the standard extra early sorts.

✓ **Rural New Yorker.** Vigorous and very prolific.

✓ **Alaska.** The best early green seeded variety. The dark green color of the pods makes it an excellent pea for shipping long distances. Very early and uniform grower. A popular sort with canners and shippers. First class in every respect. Height, 2½ ft.

### SUGAR PEAS (Edible Pods.)

✓ **Melting Sugar.** They are used in the same way as snap or string beans. The best of these edible podded sorts is the Melting Sugar, of which we offer a very fine strain. The pods are large, straight, extremely tender and of very fine flavor. Vines 3 to 4 ft. high.

✓ **Dwarf Gray Sugar.** The old variety of the edible-podded sort, and is used in no other way. Grows about 2 ft. high and is remarkable for its earliness.

Pods are broad, flat and crooked and contain 5 to 6 peas. Seed is brown and wrinkled.

✓ **Tall Gray Sugar.** A little later than the foregoing and somewhat taller; otherwise they are similar.

### DWARF, Extra Early.

✓ **American Wonder.** Vigorous, productive, with dark, luxuriant foliage. The most desirable early pea for private gardens. Height, 14 inches. Of very fine quality.

✓ **Extra Early Premium Gem.** Extra early in season. The most productive of the dwarf wrinkled varieties, and for that reason is the best for market gardeners.

✓ **Little Gem.** Extra early, hardy and productive. Pods not so well filled as Premium Gem.

✓ **Nott's Excelsior.** Pods fully one-third larger than American Wonder, containing 6 to 8 fine large sweet peas.

✓ **Laxton's Alpha.** An old and highly-prized sort, particularly for the tender and luscious quality of the peas, which for delicacy of flavor are unsurpassed.

✓ **Tom Thumb.** Early and prolific. An excellent dwarf pea.

✓ **Wm. Hurst.** Excellent for home use. It resembles the American Wonder very much, but is more hardy and vigorous. Long curved handsome pods, well filled with peas of fine flavor.

✓ **Surprise.** (See page 48.)

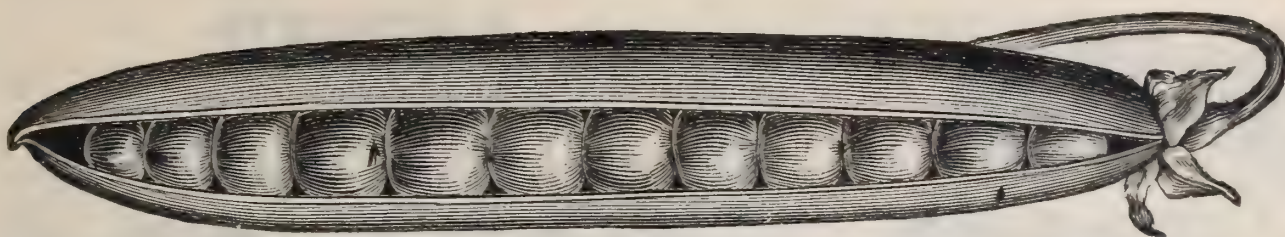
✓ **Gradus, or Prosperity.** (See page 49.)

### PRICE LIST OF PEAS.

The Packet, Pint and Quart Prices Include Free Delivery to Your Post Office or Express Office. On Pecks and Bushels You Must Pay Freight or Express.

	Pkt.	Pt.	Qt.	Pk.	Bu.		Pkt.	Pt.	Qt.	Pk.	Bu.
✓ Leonard's First and Best of All.....	\$0 10	\$0 20	\$0 40	\$1 25	\$4 00	✓ Tall Gray Sugar.....	\$0 10	\$0 25	\$0 45	\$2 00	
✓ Maud S.....	10	20	40	1 25	4 00	✓ American Wonder.....	10	25	45	1 75	6 50
✓ Phila. Extra Early.....	10	20	40	1 25	4 00	✓ Ex. Early Premium Gem.....	10	20	40	1 50	6 00
✓ Rural New Yorker.....	10	20	40	1 25	4 00	✓ Little Gem.....	10	20	40	1 50	6 00
✓ Alaska.....	10	20	40	1 00	3 50	✓ Nott's Excelsior.....	10	20	40	1 50	6 00
✓ Melting Sugar.....	10	25	45	2 00		✓ Laxton's Alpha.....	10	20	40	1 50	6 00
✓ Dwarf Gray Sugar.....	10	25	45	2 00		✓ Tom Thumb.....	10	20	40	1 50	6 00
						✓ Wm. Hurst.....	10	20	40	1 50	6 00





DUKE OF ALBANY.

## PEAS.—Continued.

### SECOND EARLY AND MEDIUM VARIETIES.

- ✓ **Heroine.** Vines are strong and vigorous and produce an abundance of fine, large, well filled pods.
- ✓ **Horsford's Market Garden.** A great favorite with the market gardeners. Pods are large, well filled and of a very good color. An abundant yielder.
- ✓ **Shropshire Hero.** Bearing a great abundance of large, handsome pods makes this a most desirable sort. Pods long, well filled, and peas of fine flavor.
- ✓ **Ameer.** See description on page 48.
- ✓ **Advancer.** An old favorite with the market gardeners. Quality excellent, very productive, and easily picked.

- ✓ **Bliss Abundance.** Vigorous in growth, producing pods in great abundance, hence the name. Pods well filled with large peas of very fine quality.
- ✓ **Duke of York.** A pea of the same class as the Telephone, but earlier and more dwarf. The peas are sweet and of fine flavor. See specialties, page 2.
- ✓ **English Wonder.** About ten days later than the American Wonder and much longer, straighter and broader pods. Peas large and of fine flavor.
- ✓ **Dwarf Telephone or Daisy.** See description on page 49.

### GENERAL AND LATE CROP VARIETIES.

- ✓ **Admiral Dewey.** The largest podded pea yet introduced. Height, three and one-half feet; pods a rich dark green color, frequently six inches long, beautifully shaped. Peas large, tender and of first class flavor.
- ✓ **Champion of England.** Tall vines which invariably need brush. For home use it is unexcelled.
- ✓ **Duke of Albany.** Like Telephone but a better variety. Vines are dwarfer and stronger and pods are larger and better filled.
- ✓ **Everbearing.** Fine for family use. Peas large and sweet.
- ✓ **French Canner.** This is the small French Pea used for canning. Very prolific. Long, slim pods containing from 7 to 10 peas.
- ✓ **Improved Sugar Marrow.** Much better than the old White Marrowfat. Pods larger, well filled and of the true marrow flavor.
- ✓ **Juno.** Pods large and well filled with peas of a rich dark green color.
- ✓ **Long Island Mammoth.** Very popular with market gardeners who want a large, handsome pod of a deep green color.

- ✓ **Telephone True Stock.** Gardeners prefer this pea to any other. Our stock this year has been carefully selected. Vines and leaves are large and coarse. Long, straight pods filled with large, tender, sweet peas of fine flavor.
- ✓ **Telegraph.** Strong, hardy vines, and peas very large and sweet.
- ✓ **Sharp's Queen.** Large, handsome, delicious. Pods long, slightly curved.
- ✓ **Black-Eyed Marrowfat.** An old standard market variety. Not so sweet as the wrinkled peas but more hardy.
- ✓ **Large White Marrowfat.** A fine variety for soups used in a dry state. Peas are large, smooth and light cream.
- ✓ **Yorkshire Hero.** Similar to Champion of England but the vines are not so tall.
- ✓ **Pride of the Market.** A good main crop variety. Peas are large and sweet.
- ✓ **Stratagem.** Vigorous, habit, luxuriant foliage. A heavy cropper. A general favorite not only in private gardens but also for gardeners. Large, handsome pods well filled. One of the most desirable sorts.

### PRICE LIST OF PEAS.—Continued.

	Pkt.	Pt.	Qt.	Pk.	Bu.		Pkt.	Pt.	Qt.	Pk.	Bu.
✓ <b>Heroine</b> .....	\$0 10	\$0 20	\$0 40	\$1 25	\$5 00	✓ <b>Advancer</b> .....	\$0 10	\$0 20	\$0 40	\$1 00	\$3 50
✓ <b>Horsford's Mkt. Garden</b> .....	10	20	40	1 25	4 00	✓ <b>Bliss Abundance</b> .....	10	20	40	1 25	4 00
✓ <b>Shropshire Hero</b> .....	10	20	40	1 25	4 00	✓ <b>Duke of York</b> .....	10	20	40	1 25	5 00
✓ <b>Admiral Dewey</b> .....	10	25	45	1 75		✓ <b>English Wonder</b> .....	10	25	45	1 50	6 00
✓ <b>Champion of England</b> .....	10	20	40	1 25	4 00	✓ <b>Telephone</b> .....	10	20	40	1 25	4 50
✓ <b>Duke of Albany</b> .....	10	20	40	1 25	4 00	✓ <b>Telegraph</b> .....	10	20	40	1 50	5 00
✓ <b>Everbearing</b> .....	10	20	40	1 25	4 00	✓ <b>Sharp's Queen</b> .....	10	20	40	1 25	5 00
✓ <b>French Canner</b> .....	10	20	40	1 00	3 00	✓ <b>Black Eyed Marrowfat</b> .....	10	20	35	75	2 50
✓ <b>Imp. Sugar Marrow</b> .....	10	20	40	1 00	3 50	✓ <b>Large White Marrowfat</b> .....	10	20	35	75	2 50
✓ <b>Juno</b> .....	10	20	40	1 50	5 00	✓ <b>Yorkshire Hero</b> .....	10	20	40	1 00	3 00
✓ <b>Long Island Mam</b> .....	10	20	40	1 50	5 00	✓ <b>Pride of Market</b> .....	10	20	40	1 25	5 00
						✓ <b>Stratagem</b> .....	10	20	40	1 50	6 00

The Packet, Pint and Quart prices on all Peas, Beans and Corn includes free delivery to your post office or express office. The purchaser pays the freight or express on all Pecks and Bushels.

Notice the splendid new varieties of Peas on pages 1 and 2. Everyone who has a garden should try the new varieties.





CHAMPION MOSS CURLED.

**Long White Dutch, or Sugar.** Roots very long, white, smooth, tender, sugary and of most excellent flavor. Very hardy, and will keep through winter without protection. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Hollow Crown.** Roots comparatively short, with a very smooth, clean skin. The variety is easily distinguished by the leaves arising from a depression on the top or crown of the root. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Guernsey.** The best sort for heavy, black soils. In the vicinity of Chicago, where the soil is exceedingly rich, this is the variety needed, as it makes a fine shaped root which does not grow too long. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.



SWEET MOUNTAIN.

the symmetrical shape of the smaller sorts.

**Large Squash.** Fruit large, flat, tomato shaped, more or less ribbed, skin smooth and glossy, flesh mild, thick meated and pleasant to the taste, although possessing more pungency than the other large sorts.

**Golden Upright.** The fruits are large and of a beautiful rich golden yellow, tinged with blush red. The peppers are mild and as pleasant to the taste as Ruby King.

**Red Cherry.** Plant tall, bearing a profusion of bright red, round fruit which is very pungent when ripe. The plant is very handsome and an ornament to the garden.

**Red Chili.** Used in the manufacture of pepper sauce. Pods sharply conical, and exceedingly pungent when ripe. Requires a long, warm season. The plants should be started quite early in hot beds.

**Yellow Chili.** Similar in form to the Red Chili; more pungent, and of a very beautiful yellow color.

**Long Red Cayenne.** A long, slim, pointed pod, and when ripe, of a bright red color. Extremely strong and pungent.

**PRICES ON ALL PEPPERS ARE: PKT., 5c.; OZ., 25c.; 1-4 LB., 75c.; POST-PAID.**

## PARSLEY.

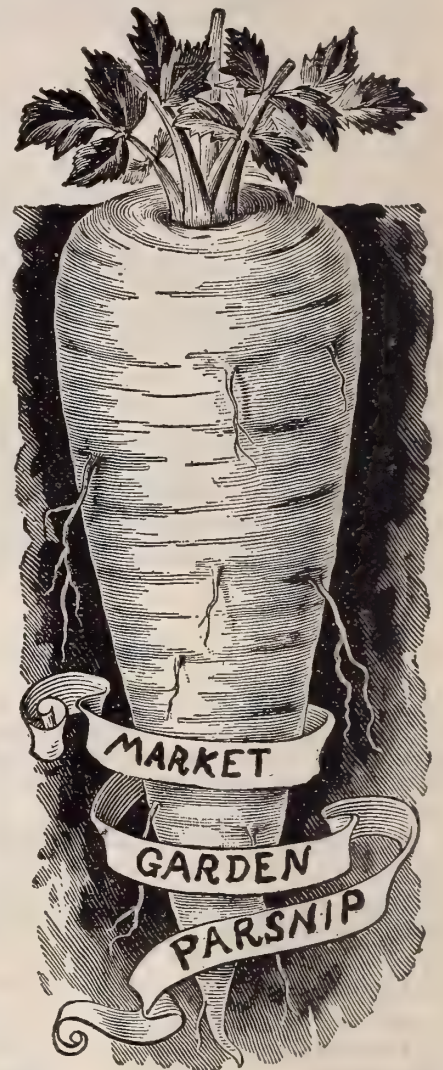
**Double Curled.** The standard sort for outdoor culture, also highly prized by market gardeners for the greenhouse. Pkt., 5c.; oz., 10c.

**Champion Moss Curled.** A very fine curled variety. One of the handsomest for garnishing purposes. The exceedingly curled leaves make it desirable. Pkt., 5c.; oz., 10c.

**Fern Leaved.** This sort has a peculiar, fernshaped leaf. It is not so desirable as the more curled sorts. Pkt., 5c.; oz., 10c.

**Hamburg Rooted.** The standard rooted sort. The leaves are used for soup greens, and the roots, when sliced, are much esteemed. Pkt., 5c.; oz., 10c.

## PARSNIP.



## PEPPER.

**Sweet Mountain.** Plants very vigorous and productive, growing upright, with moderately large leaves. Fruit very large, long, often eight inches or more in length, by two in diameter, very smooth and handsome, being, when unripe, of a bright, deep green color, entirely free from any purple tinge, and when mature, of a rich red. Flesh very thick, sweet and mild flavored. Well suited to use as a stuffed pickle.

**Large Bell, or Bull Nose.** A very large sort of inverted bell shape, suitable for filling or for a mixed pickle. Flesh thick, hard and less pungent than most other sorts.

**Procopp's Giant.** Very large, usually 8 to 9 inches long and 3 inches thick. Brilliant scarlet color, flesh thick, of pleasant flavor.

**Ruby King.** An improved American sort, reaching the largest size, yet retaining



BELL, OR BULL NOSE.



## PUMPKINS.



MAMMOTH POTIRON.

cooking purposes ever introduced. Pkt., 5c.; oz., 10c.

✓ **New Pie, "Calhoun."** It is medium in size, extraordinarily heavy quality. The outside is a cream color, while the flesh, which is very thick and fine grained, is a salmon yellow and of superior quality. It is undoubtedly one of the best for pies. Pkt., 5c.; oz., 10c; ¼ lb. 25c; lb. 75c.

✓ **Banana.** (Also called Custard Squash.) The average size is eighteen inches in length by seven to eight inches in

thickness. It has ten and occasionally eleven prominent ridges running lengthwise over the entire surface. The skin is of a rich cream

color, fine grained and of particularly fine quality for pies. It is a strong grower and very productive. Of very choice quality for autumn. Pkt., 5c.; oz., 10c; ¼ lb. 25c; lb. \$1.00.

✓ **Golden Oblong.** A very fine, new and productive variety, growing oblong to a length of sixteen to eighteen inches, and seven to eight inches in diameter. Flesh rich yellow, very sweet, dry and excellent for pies. A good keeper. Pkt., 5c.; oz. 10c; ¼ lb. 20c; lb. 60c.

✓ **Quaker Pie.** It is oval in shape, and tapers toward each end: of a creamy color, both inside and out. Being fine grained and rich flavored, it makes a superior quality of pies. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 70c.

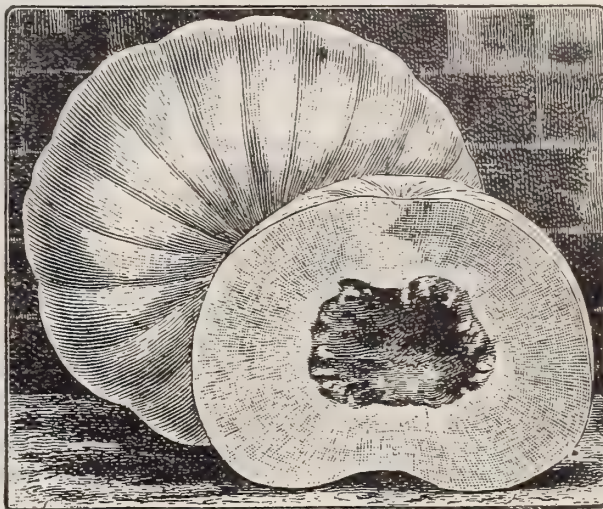
**WHEN IN DOUBT—Read inside page of front cover. We try to have everything plain, and want every purchaser to be satisfied that his money's worth is sent to him, and that we do all we agree to do.**

✓ **Connecticut Field.** The common yellow variety usually grown for feeding stock. Good for canning and for pies. Pkt., 5c.; oz., 10c; lb. 40c.

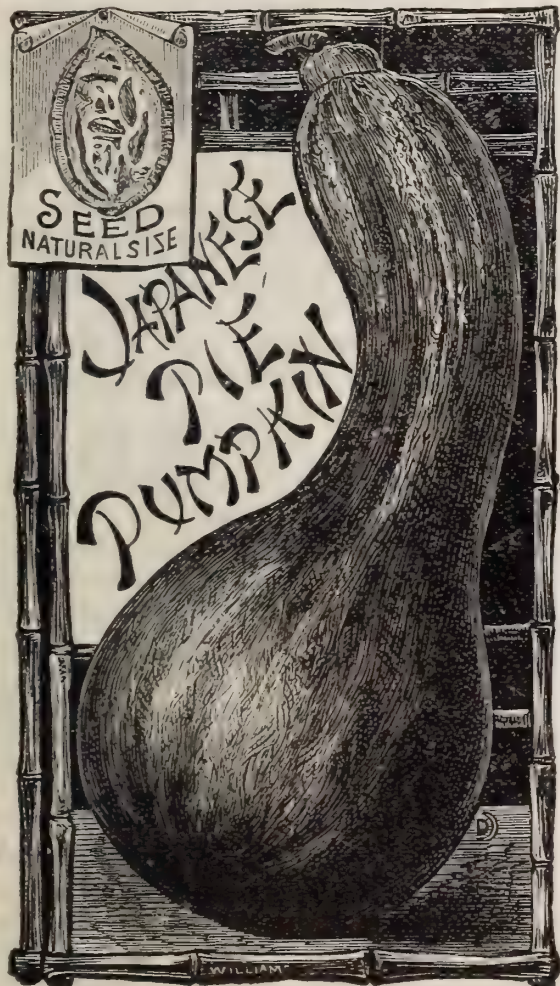
✓ **Large Cheese.** A very hardy and productive variety; the best for cooking purposes. Pkt., 5c.; oz., 10c; lb. 60c.

✓ **Cashaw.** A favorite sort, closely resembling the Crookneck Winter Squash. Pkt., 5c.; oz., 10c; lb. 60c.

✓ **Large Tours, or Mammoth.** This variety grows to an immense size, often weighing over 100 pounds. Pkt., 5c.; oz., 10c.



CALHOUN PUMPKIN.





## SEED POTATOES.



## IMPORTANT.

Potatoes are forwarded by express or freight as directed, and are delivered to the transportation companies safely packed; after that our responsibility ceases. Purchasers must take all risks from freezing or heating. **NO CHARGE FOR BARRELS OR CARTAGE TO THE DEPOTS.**

**Bliss Triumph.** One week earlier than the Early Rose. Color is a beautiful light red flesh white; size medium.

**Early Six Weeks.** Claimed by some to be earlier than the old Ohio, and although we see very little difference they are preferred by some of our gardeners.

**Early Thoroughbred.** This variety resembles the Early Rose very much in size, color and shape. The quality is very superior. An enormous producer.

**Extra Ey. Pingree.** A most desirable variety: The shape is neither too long nor too round, very smooth and regular in form. Eyes shallow and a white skin. Top medium in size, but strong and spreading. Tubers close together in a hill and very numerous. About a week earlier than the Bovee and a twenty-per-cent. heavier yielder.

## EARLY VARIETIES.

**Extra Early Ohio.** Absolutely the *First Early Potato* on the market. No other potato is so profitable for early use and is the favorite of all Chicago market gardeners. A short, thick, round, oblong potato. In color it is a dull red. The flesh is solid, of extra good quality and flavor; very mealy even when only partially grown. Our stock is very pure and select.

**White Ohio.** Similar to Early Ohio, but color of skin white instead of rose color. A very good early potato.

**Early Rose.** This well-known variety is still very popular. Pure seed is hard to get. Ours is as pure as any to be had.

**Crown Jewel.** Extra early of Hebron type. The best variety for family use in the list.

**Acme.** Similar to the Early Ohio, but a few days later.

**Bovee.** Of fine quality, vigorous growth and high productiveness. Smooth and handsome tubers, pink or flesh colored.

**Beauty of Hebron.** Pure white skin and flesh.

## Potato Price List.

	Pk.	Bu.	Bbl.	3 Bbls.
Triumph .....	\$0.60	\$1.50	\$4.00	\$18.00
Early Six Weeks .....	.60	1.25	3.00	14.50
Early Thoroughbred .....	.60	1.25	3.00	14.50
Extra Early Pingree .....	.60	1.25	3.00	14.50
Extra Early Ohio .....	.60	1.25	3.00	14.50
White Ohio .....	.60	1.25	3.00	14.50
Early Rose .....	.60	1.25	3.00	14.50
Crown Jewel .....	.60	1.25	3.00	14.50
Acme .....	.60	1.25	3.00	14.50
Bovee .....	.60	1.25	3.00	14.50
Beauty of Hebron .....	.60	1.25	3.00	14.50

## Seed Potatoes by Mail.

For those who desire to test the merits of any of these varieties of potatoes we furnish whole tubers by mail at 30 cts. per lb. or 3 lbs. for 75c.



EXTRA EARLY PINGREE.



The Extra Early Ohio is the Leading Potato for Early. It outsells any other Early Potato two to one on every Western market.

## SEED POTATOES.

The Most Popular Main Crop Potato and the Best Seller on all Western markets is the "RURAL."

### MEDIUM OR MAIN CROP VARIETIES.



**RURAL NEW YORKER No. 2. Commonly called "Rural."**

**Carman No. 1.** Intermediate in ripening and resembles the Rural New Yorker No. 2 in shape and also having very few and shallow eyes. The flesh is white and quality perfect. An enormous producer of very large handsome tubers.

**Carman No. 3.** Is one of the best late varieties, also one of the greatest yielders. Large, oblong, slightly flattened.

**Rural New Yorker No. 2.** A valuable variety of large size very smooth and a great cropper. In quality it is unexcelled. It is the best late long keeper and is highly recommended. More potatoes of this sort are shipped annually than any other sort, and their large handsome appearance make them more profitable than any other sort.

**White Star.** A medium early variety of the best quality and appearance large, oblong, uniform sized tubers, remarkably productive.

**The Livingston.** An ideal potato for main crop. Handsome in appearance and a heavy cropper.

**Banner.** (*Livingston's*.) This fine potato has been fully tested during the past six years. It is one of the handsomest potatoes we have; medium early. Similar to Rural No. 2, but of smoother surface and better quality.

**McKinley.** A solid, substantial, safe potato. It is of large size, handsome form and a splendid keeper. Heavily netted, a fine cooker; whether baked or boiled it comes out floury and delicious.

**State of Maine.** Medium early, excellent flavor, a good keeper and very productive.

**Burbank's Seedling.** A white-skinned medium, early variety with few eyes, flesh fine grained, and of excellent flavor.

#### In Regard to Varieties.

Of the many varieties of Potatoes recently advertised so largely, and called by so many different names, very few have been found to differ from already well known varieties—and of the few which may differ none has merited a standing place on any of the great potato markets of the country.

**The Only Real Value** of anything in seeds is the selling value of what it will produce.

In the two squares at the head of this page we name the two best selling potatoes known to the trade to-day, and the actual value to any potato grower of any other advertised variety will be proportionate to its ability to equal or surpass these two in quality, appearance and productiveness. For the above reasons our potato list has been revised, and we quote only the varieties that are recognized sellers.

#### Potato Price List—Continued.

	Pk.	Bu.	Bbl.	5 bbls.
<b>Carman No. 1</b> .....	60c	\$1.25	\$3.00	\$14.50
<b>Carman No. 3</b> .....	60c	1.25	3.00	14.50
<b>Rural New Yorker No. 2</b> .....	60c	1.25	3.00	14.50
<b>White Star</b> .....	60c	1.25	3.00	14.50
<b>The Livingston</b> .....	60c	1.25	3.00	14.50
<b>Banner</b> .....	60c	1.25	3.00	14.50
<b>McKinley</b> .....	60c	1.25	3.00	14.50
<b>State of Maine</b> .....	60c	1.25	3.00	14.50
<b>Burbank's Seedling</b> .....	60c	1.25	3.00	14.50

### SWEET POTATOES.

These potatoes are grown for seed purposes and have not been dry-killed. We do not ship until April as they are apt to freeze and rot. Orders should be placed early as prices may advance later in the season. Sweet potatoes should be sent by express. It costs more than freight but they spoil very quickly. Pecks will not be sent any other way.

**New Vineland Bush.** A new sort originated in New Jersey. Erect, compact and bushy. 14,000 plants may be set to the acre. It does not spin or trail as ordinary kinds. Its distinct growth makes it enormously prolific; a plat containing only 2,000 plants bore 80 bushels of prime tubers. **Pk., 75c.; Bu., \$2.00; Bbl., \$4.00.**

**Yellow Nansemond.** Standard variety for main crop. Good keeper and fine flavor. **Pk., 60c; Bu., \$1.50; Bbl., \$3.25.**

**Red Nansemond.** Differs from above only in color. **Pk., 60c; Bu., \$1.50; Bbl., \$3.25.**

**Extra Early Carolina.** Extra early, bright yellow color, large cropper. Recommended for all northern sections. **Pk., 60c.; Bu., \$1.50; Bbl., \$3.25.**

**Yellow Jersey.** **Pk., 60c.; Bu., \$1.50; Bbl., \$3.25**

**SPECIAL QUOTATIONS ON 5 AND 10 BARREL LOTS OF SWEET POTATOES.**



For Prices See  
Foot of Page.

## RADISH.



LEONARD'S NEW THREE LEAF RADISH.

ground. It is a splendid forcing variety, with short top, small leaves, and matures quickly; can also be grown in the open ground. Pkt., 5 cts.; oz., 20 cts.

✓ **Olive Shaped Bright Red Leafless Forcing.** The extra early forcing radishes lately introduced are remarkable for the small size of their leaves. They develop their roots in so short a time that the latter are practically in advance of the leaves.

✓ **Rosy Gem.** One of the very earliest in cultivation. Shape a perfect globe. Deep scarlet top, blending into pure white at bottom.

✓ **Early Scarlet Turnip.** The standard early turnip radish. Fine flavored and mild.

✓ **Early Carmine.** An extra early variety of turnip shaped radish. It is very mild and crisp. The flesh is white, the color is carmine, and the radish looks bright, even when wilted. This is, therefore, very salable on the market, even on the hottest days, when other radishes look dull and dry.

✓ **Scarlet Olive.** Very tender and a beautiful color. Early.

✓ **Early Scarlet Globe.** A desirable sort for hotbed forcing and outdoors, very early; flavor mild; crisp, juicy and tender; top small; will stand heat without becoming pithy. One of the best selling and most attractive radishes on account of its bright



OLIVE SHAPED LEAFLESS FORCING.

scarlet color and handsome shape; is ready in 28 days.

✓ **Glass Radish.** This new radish comes from the same gardener in Denver, Colo., who originated the Denver Market lettuce, and is a fine acquisition. It is a long radish of light pink color, white tipped, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. It was named "Glass Radish" on account of the fine transparency of the flesh.

✓ **Large White Summer Turnip.** A very large turnip shaped variety; white, very crisp and mild.

✓ **Large Yellow Summer Turnip.** Like the above, except in color.

✓ **Gray Summer Turnip.** Popular for midsummer planting.

✓ **Long White Icicle.** Form a half long, pure white and very crisp. Very quick in growth.

✓ **Early White Turnip Rooted.** A little flatter



SCARLET GLOBE.

than the Scarlet Turnip, and pure white in color. It has a very small top; white, semi-transparent flesh, and is slightly later than the Scarlet Turnip, but will stand more heat and remain longer in condition for use.

✓ **The Cincinnati Market.** The tops of this new radish are very small and may stand much closer in the rows than Wood's Early Frame or Long Scarlet, without danger of running to seed. They grow straight and smooth, and from six to seven inches long. The flesh is very tender, crisp and delicious, never becoming pithy or hollow. The skin is very thin and is of an attractive, bright scarlet color.

✓ **New Deep Scarlet Turnip.** This is a very bright colored Scarlet Turnip radish, very early and short leaf, well adapted to forcing under glass. Matures in fourteen to twenty-one days, and its appearance will sell it in any market.



NEW DEEP SCARLET TURNIP (FORCING).

EXCEPT WHERE OTHERWISE NOTED, PRICES OF ANY VARIETY OF RADISH ARE:  
PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.



**RADISH.**For Prices See  
Foot of Page.

✓ **Early Scarlet Turnip, White Tipped.** One of the handsomest of the turnip radishes and a great favorite in many large markets, for early planting outdoors. It is but little later than the White Tipped, Forcing, and will give entire satisfaction where *extreme* earliness is not the primary object. Roots slightly flattened on the under side, color very deep scarlet with a white tip; flesh white and of the best quality.

✓ **Long Brightest Scarlet, White Tipped.** This is the brightest and handsomest colored scarlet radish known, and a decided improvement in earliness and color over other varieties of this class. It makes roots fit for use in about twenty-five days from time of planting, and they continue in good condition until they are full grown, when they are as large as the Wood's Early Frame. It has a small top and does not run to neck.



CHARTIER.

bright red in color. The flesh is white and crisp.

✓ **Early White, Olive Shaped.** Like Scarlet Olive Shaped, except that the roots are clear white and a little longer.

✓ **White Strasburg, or Summer Hospital.** Large, showy, half long, white sort. Grows with great rapidity, sometimes producing a crop in six weeks. It will keep in eatable condition two weeks before going into seed. Best summer radish grown.

✓ **Giant Stuttgart.** A summer variety. Grows to an immense size. White flesh, very crisp and tender. Of good flavor, and a good keeper.



GIANT STUTTGART.



WHITE TIPPED SCARLET TURNIP.

✓ **Half Long Deep Scarlet.** A variety half the length of Long Scarlet and of same form. Matures in twenty days.

✓ **French Breakfast.** Olive shaped, scarlet, with white tip; crisp and tender. Very early. A general favorite.

✓ **Long White Vienna, or Lady Finger.** A very excellent white variety with long, very smooth white roots, which are crisp and tender. It comes into use shortly after Wood's Frame, and is one of the most desirable of the white summer sorts.

✓ **Chartier.** Decidedly distinct in appearance from any radish in cultivation. Its form is well shown by our engraving, the color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table.

✓ **Early Long Scarlet, Short Top Improved.** This bright scarlet, small topped sort is about six inches long, grows half out of the ground, is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort for private gardens or market use. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; 1/2 lb., 20c.; lb., 50c.

✓ **Wood's Early Frame.** This is not only a good variety for forcing, being shorter and thicker than the old Long Scarlet Short Top, but is one of the very best sorts for first crop out of doors. It continues brittle and tender until July. One inch long. The roots are very uniform in shape, smooth and very



WHITE STRASBURG.

**WINTER RADISHES.**

Sow about the same time as winter turnips, on light, rich soil, in drills eighteen inches apart; give frequent cultivation, and thin two to six inches apart, according to size of the variety. For winter use pull before severe frost, and store in damp sand in cellar.

✓ **Scarlet China.** Roots cylindrical, or largest at the bottom, tapering abruptly to a small tap. Skin very smooth and of a bright rose color; flesh firm, crisp, tender and quite pungent.

✓ **Round Black Spanish.** Roots round, sometimes top-shaped, three or four inches in diameter; skin black, flesh white, very compact and highly flavored. An excellent sort for winter, as the roots keep a long time.

✓ **Half Long Black Spanish.** An American sort of the same general character as the Long Black Spanish, but by many considered superior to either the round or the Long Black Spanish. It is intermediate in shape between the two, and seems to combine the good qualities of both.

✓ **Long Black Spanish.** One of the latest as well as the hardiest of the radishes; an excellent sort for winter use.

✓ **California Mammoth White China.** Celestial. Large White Spanish.

EXCEPT WHERE OTHERWISE NOTED, PRICES OF ANY VARIETY OF RADISH ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.



**RHUBARB.**

(Pie Plant.)

**Culture.** Rhubarb succeeds best in deep, somewhat rententive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. Our seed is saved from selected plants of the Linnæus, Victoria, Giant and other improved sorts, but like the seeds of fruit trees, rhubarb seed cannot be relied upon to reproduce the same varieties.

✓ **Rhubarb Seed.** Pkt., 5c.; Oz., 15c.; 2 Oz., 25c.; 1-4 lb., 40c.; Lb., \$1.25.

✓ **Rhubarb Roots.** By express, not prepaid, 20c. each; \$1.50 per doz. By mail, prepaid, 25c. each; \$2.00 per doz.

PRICES ON LARGE LOTS OF RHUBARB ROOTS ON APPLICATION.

**RAPE.**

**DWARF ESSEX, FOR SOWING.** There is only one "best" variety of rape and that is Dwarf Essex. Do not be deluded into buying inferior grades by unscrupulous dealers or exaggerated advertisements. **There is no plant that will give as heavy a yield of forage at such a small cost as this,** and its general cultivation would add largely to the profits of American farms. Especially valuable for green manuring and pasture. When fed off by sheep, it will probably do more to restore and make profitable exhausted soils than any other plant. Beware of the worthless annual variety that is often sold, and which is not only worthless for forage but once planted is liable to become a pernicious weed. Biennial.

**Culture.** Prepare the ground as for turnips and sow in June or July, with a turnip drill, in rows 2½ feet apart, at the rate of 2½ pounds of seed per acre. It may be sown broadcast at the rate of 5 pounds per acre.

1-4 Lb., 5c.; Lb., 20c.; 3 Lbs., 50c.; postpaid. By freight or express at purchaser's expense, 10 Lbs., 60c.; 100 Lbs., \$5.00. Prices change with market. See also page 67.



SANDWICH ISLAND SALSIFY.

**SALSIFY.**

(Vegetable Oyster.)

The long white tapering root of salsify resembles a small parsnip, and when cooked is a good substitute for oysters, having a very similar flavor.

**Culture.** It succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will surely cause the roots to grow uneven and ill shaped. Sow early and quite deep, giving the general culture recommended for parsnip. The roots are perfectly hardy, and may remain out all winter, but should be dug early in spring, as they deteriorate rapidly after growth commences. Store a quantity for winter use in a pit, or in a cellar in damp earth or sand.

✓ **Large White.** The common variety; roots medium sized, smooth; flesh white. Pkt., 5c.; Oz., 10c.; 2 Oz., 20c.; 1-4 Lb., 30c.; Lb., \$1.00.

✓ **Mammoth Sandwich Island.** This is in every way superior to the Large White, being larger, stronger growing and less liable to branch. Invaluable to market gardeners.

Pkt., 5c.; Oz., 15c.; 2 Oz., 25c.; 1-4 Lb., 40c.; Lb., \$1.50.

**SCORZONERA.**

(Scorzonere. Escorzonera.)

**Culture.** Cultivate the same as salsify. It is cooked in the same manner, but on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify.

✓ **Scorzonera.** Oz., 30c.; 1-4 Lb., 85c.; Lb., \$1.00.

**SUGAR CANE.**

**Early Amber.** This variety is successfully grown in our extreme northern latitudes. It may be planted as late as the 15th of June, and will be ripe enough to manufacture in September. We know of no earlier variety. It is useless to plant cane seed before the weather is warm in spring. Three to four pounds are required per acre.

Oz., 5c.; 1-4 lb., 10c.; Lb., 20c.; postpaid. \$4.50 per 100 Lbs., by freight or express, at purchaser's expense.

**Early Orange.** An exceedingly valuable variety. Very large, of strong and vigorous habit, and does not fall down. It is early and yields more than any other sort, often producing as much as two hundred and forty gallons of very beautifully colored and highly flavored syrup to the acre. We recommend it highly to all desiring a superior cane.

Oz., 5c.; 1-4 Lb., 10c.; Lb., 20c.; postpaid. \$4.50 per 100 Lbs., by freight or express, at purchaser's expense. Prices change with market. See also page 67.

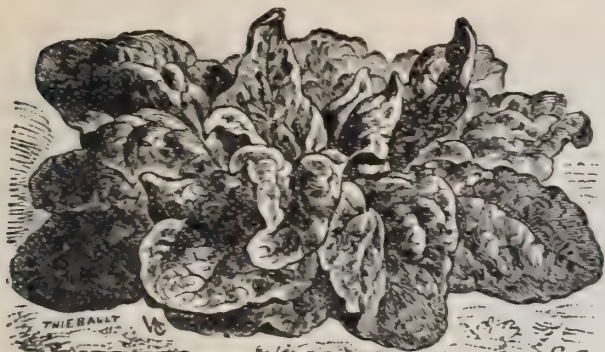
**SUNFLOWER.**

Everyone who keeps poultry should use sunflower seed liberally for feeding, as there is nothing more wholesome and nutritious, or which keeps hens in better condition for laying. Some species are largely planted in the flower garden for ornament. (See Flower Seeds.)

✓ **Large Russian.** This variety has large heads, borne at top of a single unbranched stem, and having much more and larger seed than the common sort. Sow the seed as soon as the ground is fit for corn, in rows five feet apart, and ten inches apart in the row. Cultivate same as corn. When the seed is ripe and hard cut off the heads and pile loosely in a rail pen having a solid floor, or in a corn crib. After curing sufficiently so that they will thresh easily, flail out or run through a threshing machine, and clean with an ordinary fanning mill. This variety will yield nine hundred to twelve hundred pounds of seed per acre ordinarily.

Oz., 5c.; 1-4 Lb., 10c.; Lb., 20c.; postpaid. \$3.50 per 100 Lbs., by freight or express, at purchaser's expense. Prices change with market. See also page 66.





VICTORIA SPINACH.

## SPINACH.

Spinach is very hardy, extremely wholesome and palatable, and makes a delicious dish of greens, retaining its bright green color after cooking.

**Culture.** Should be planted in very rich ground, the richer the better. Sow in drills one foot apart, and begin thinning out the plants when the leaves are an inch wide. All should be cut before hot weather, or they will be tough and stringy. For early spring use, sow early in autumn and protect the plants with a light covering of leaves or straw.

✓ **Victoria.** An excellent sort, which forms a very large, exceedingly thick, dark green leaf, somewhat curled in the

center. It becomes fit for use nearly as early as any, remaining so much longer than most kinds, and cannot fail to please, whether grown for the market or in the private garden. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

✓ **Savoy Leaved.** The earliest variety and one of the best to plant in autumn for early spring use. Plant of upright growth, with narrow, pointed leaves which are curled like those of Savoy cabbage. It grows quickly to a suitable size for use, but soon runs to seed. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

✓ **Round Summer Broad Leaved.** This variety is generally preferred in the north for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, it stands the winter very well. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.

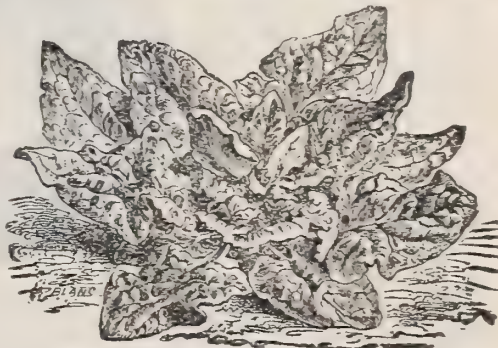
✓ **Broad Flanders.** One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly bright green, quite thick and slightly crimped in the center. A very desirable sort. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

✓ **Improved Thick Leaved.** A variety which grows very rapidly, forming a cluster of large, very thick, slightly wrinkled leaves of fine color and quality when cooked. Especially recommended for market gardeners. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

✓ **Long Standing.** An improved, round seeded strain of excellent merit, having all the good qualities of other sorts and continuing in condition for use much longer. The leaves are smooth and very dark, rich green. Very popular with market gardeners. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

✓ **Long Standing Prickly.** The plants mature a little later than the round leaved sorts, but furnish a large quantity of very thick and well flavored leaves. Has prickly seed. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

✓ **Prickly Winter.** A very hardy variety, and will withstand the severest weather with only a slight protection of leaves or straw. The seed is prickly, leaves triangular, oblong or arrow shaped. It is used for fall sowing, which in this latitude is made about the first of September. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.



LONG STANDING SPINACH.

## We Make Everything Plain on Inside of Front Cover.

Before sealing up your order be sure to read that page. You will then know what we do and what you are to do. Misunderstandings will thus be avoided and there will be no disappointment when the goods reach you. We guarantee to do our part if you will do yours. We cannot afford to have you dissatisfied with us. **We Want Your Trade** because we know that our goods will give you satisfaction. **Our Prices are Right** and we try to make our descriptions plain and straightforward. We deplore the exaggeration and humbug which fills the Catalogues of so many of the mail order seedsmen. ❀ ❀ ❀

## SORREL.

Those who think of sorrel as the starved looking weed of barren lands have little idea of the possible value of the plant. The improved varieties, when well grown and cooked like spinach, make a healthful and very palatable dish. Sow in drills early in spring, and thin the seedlings to six or eight inches apart in the row. One may commence cutting in about two months, and the plants will continue in full bearing from three to four years.

✓ **Large Leaved French.** The best garden variety, having large, pale green leaves of fine quality. Pkt., 5c.; Oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.





LEONARD'S GIANT SUMMER STRAIGHT-NECK SQUASH.

## SQUASH.

✓ **Leonard's Straight-neck Summer Squash.** Market gardeners who ship early squash to distant markets know the difficulty of packing the crook-necked variety in boxes to good advantage. In our Straight-neck the bad feature of the crook has been overcome, and by continued selection the size has been increased, more uniformly in shape, improved quality.

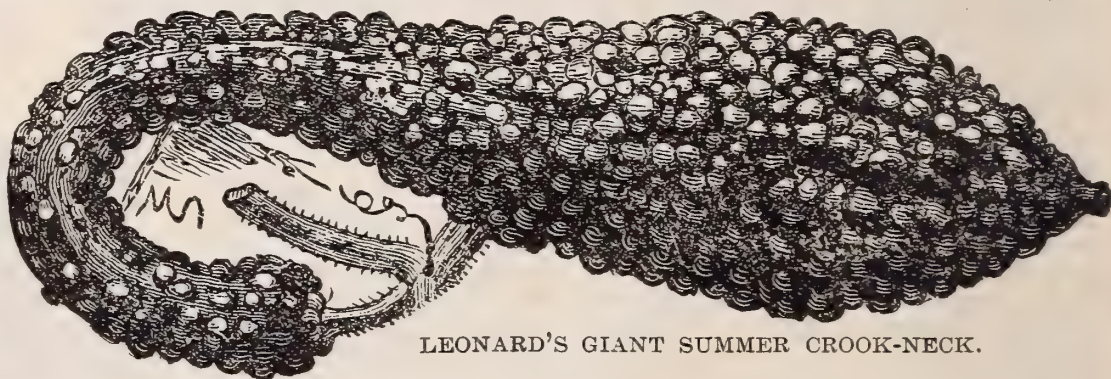
✓ **Golden Custard Bush.** Exceeds in size any of the scalloped sorts. A dark, rich golden yellow. Quality excellent. It grows in bush form, wonderfully productive.

✓ **Delicata.** Early and very prolific; of oblong shape. Ground color, orange yellow, splashed and striped with very dark green. Although of small size, the squashes are very solid and heavy, while the quality is rich and dry.

✓ **Perfect Gem.** Equally desirable either as a summer, autumn or winter squash. It is a strong grower and a large yielder. The squashes are from four to six inches in diameter, of a creamy white, with thin, smooth shell, slightly ribbed.

✓ **Faxon's Brazilian Squash.** It is remarkably prolific in habit; quality dry and rich without regard to the size, coloring or time of ripening of the fruit—something entirely different in this respect from any other squash. Its valuable points are earliness, long keeping and high table qualities. We are recommending it to all for general use in the home garden.

✓ **Leonard's Giant Crook-neck.** This strain is a great improvement on the old variety of Crook-neck. It is larger and better in every way.



LEONARD'S GIANT SUMMER CROOK-NECK.

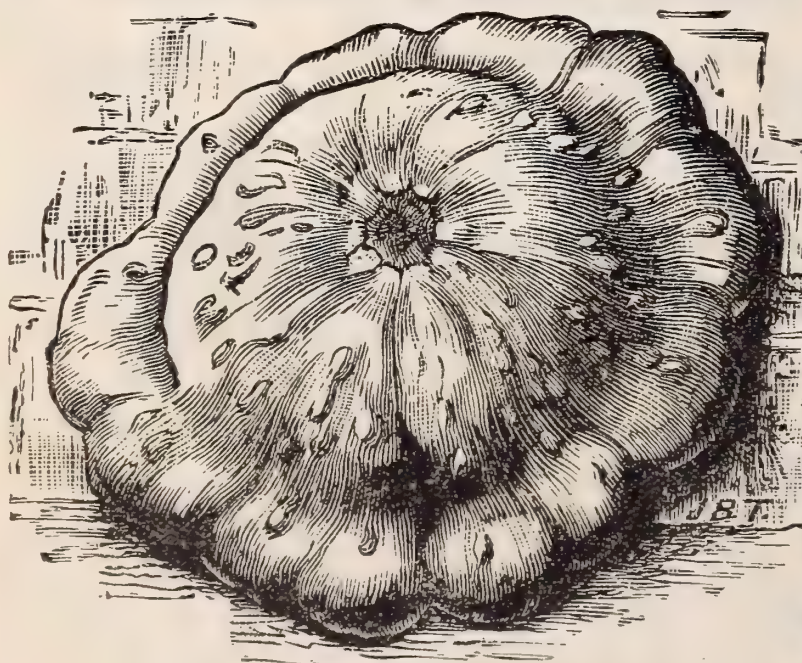
✓ **Summer Crook-neck.** The old standard sort; very early and productive. Fruits about one foot long, with crooked neck, and covered with warty excrescences; color bright yellow; shell very hard when ripe.

✓ **White Summer Crook-neck.** One of the best summer squashes of recent introduction. In size and shape it resembles the Summer Crook-neck. In color it is a beautiful ivory white, and its flavor is unsurpassed.

✓ **Early White Bush Scallop.** Similar in form to the preceding, but with a cream white skin, and more tender and delicate flesh.

✓ **Leonard's Mammoth White Bush.** This has been obtained by years of careful selection. Although we have sold this squash for a number of years, we again call special attention to it.

## Squash Price List.



MAMMOTH WHITE BUSH.

	Pkt.	Oz.	Lb.
Giant Straight-neck.....	\$0 05	\$0 15	\$1 00
Golden Custard.....	05	15	1 00
Delicata .....	05	15	1 00
Perfect Gem .....	05	15	1 00
Faxon .....	05	15	1 00
Giant Crook-neck.....	05	15	1 00
Summer Crook-neck .....	05	15	1 00
White Crook-neck .....	05	15	1 00
White Bush .....	05	15	1 00
Mammoth White Bush ....	05	15	1 00
Golden Hubbard .....	05	15	1 00
Mammoth Chili.....	10	25	1 25
Marblehead .....	05	15	1 00
Fordhook .....	05	15	1 00
Orange Marrow.....	05	15	1 00
Essex Hybrid.....	05	15	1 00
Boston Marrow .....	05	15	1 00
Sibley .....	05	15	1 00
White Hubbard.....	05	15	1 00
Hubbard .....	05	15	1 00
Warty Hubbard.....	05	15	1 00



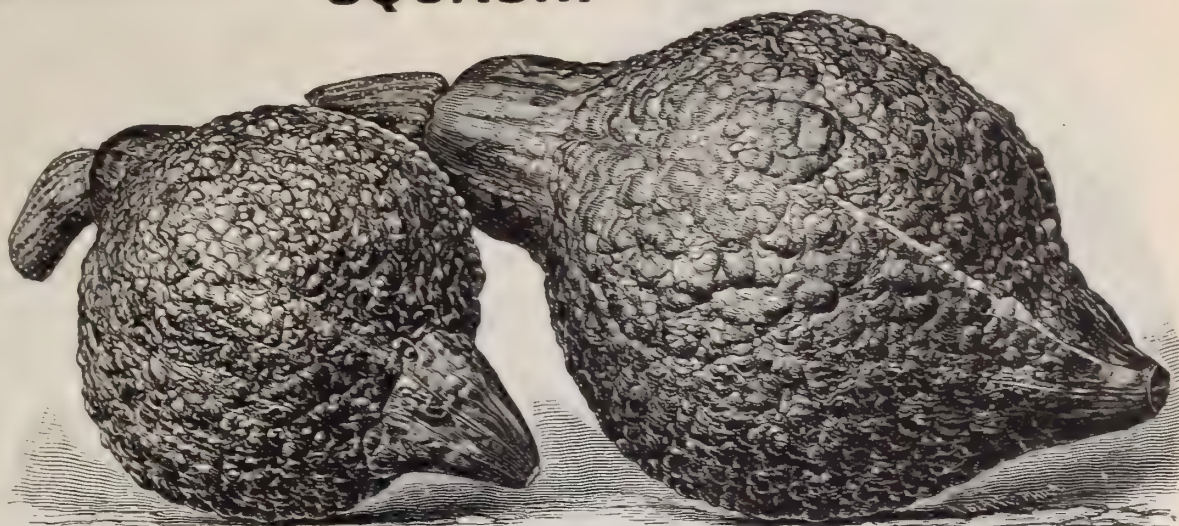
## SQUASH.

✓ **Golden Hubbard.** This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller: earlier to mature and of rich orange red color, instead of the dark olive green of the old Hubbard.

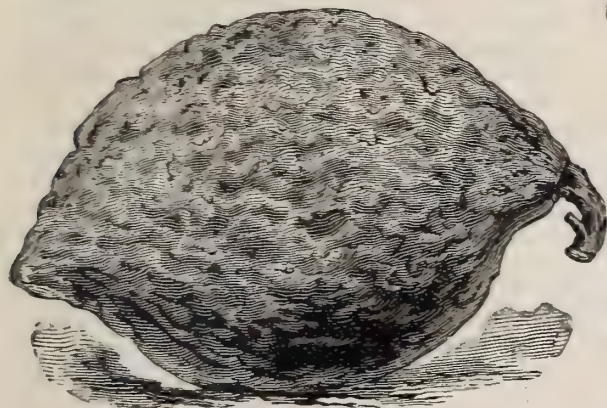
✓ **Mammoth Chili.** The largest of all squashes, growing to an immense size; often weighing over two hundred pounds, while its rich, fine-flavored flesh insures its value for all purposes.

✓ **Marblehead.** An excellent variety resembling the Hubbard. The flesh is rather lighter in color than that variety, while its combination of sweetness, dryness and delicious flavor is remarkable.

✓ **Fordhook.** This is one of the earliest of the long-keeping winter varieties. If kept in a proper place it will remain good until the end of the following spring. It is medium in size, of attractive appearance, the exterior color being bright yellow.



GOLDEN HUBBARD.



ORANGE MARROW.

✓ **Orange Marrow.** A variety developed by selection from the Boston Marrow, and not so large but much earlier, and the earliest of the winter varieties. Fruit deep orange color netted with cream; shape similar to Boston Marrow; flesh thick, deep yellow, of fine quality.

✓ **Essex Hybrid.** This is not only one of the richest flavored, finest grain and sweetest of all squashes, but it is also one of the very best keepers that we know of. Short cylindrical shape, having on the blossom end a small cap shaped enlargement. The flesh is dry, sweet and thick, and of a bright orange color.

✓ **Boston Marrow.** Second early, coming in about ten days after the Bush and Crookneck sorts. Skin yellowish, very thin; the flesh dry and fine grained, and of unsurpassed flavor.

✓ **Sibley or Pike's Peak.** A very choice flavored, long keeping squash.

✓ **White Hubbard or White Chestnut.** The outside skin is a creamy white, while the flesh is lemon yellow, fine grained, sweet, most excellent in quality, suggesting the flavor of a boiled chestnut. Size and form much like the Hubbard.

✓ **Hubbard.** A general favorite and more largely grown as a late sort than any other; it is of large size, often weighing from nine to ten pounds. Color, bluish green, occasionally marked with brownish orange or yellow. Flesh fine grained, dry, and of excellent flavor. It can be had in use from September to May.

✓ **Leonard's Warty Hubbard.** Also called Warty Hubbard and Chicago Warty Hubbard. This strain of squash was introduced by S. F. Leonard in 1894. It originated with John Oly, an old-time Chicago market gardener, and for years previous to its general introduction to the trade was known at Chicago as Leonard's Warty Hubbard, *which is its proper name.* Ours is headquarted seed.

✓ **Turban.** Orange yellow flesh, of good flavor.

✓ **Bay State.** With hard blue shell; for fall and winter.

✓ **Butman.** Salmon colored flesh; dry and fine for late.



LEONARD'S WARTY HUBBARD.

**For All Squash Prices See Page 56.**



## TOMATO.

This is a very important vegetable for a market gardener. Each market demands its own special favorite, and market gardeners must look out and get the proper kind, which the market they supply needs. Unless you are sure that a new variety is all right, stick to the old one.

✓ **The New Imperial.** Without doubt this is the best main crop tomato now in cultivation. It is large, solid and smooth; has the right color for the Chicago market, and makes the evenest, handsomest show in the tomato box of any we have. We think it better than Acme, Essex Hybrid or Beauty, and that is as much as we need say of any tomato.

✓ **Leonard's Early Market.** This fine new tomato is absolutely the best and smoothest of any of the extra early sorts. It is ready to sell 5 to 10 days ahead of the others, and for those who desire a real early tomato, it is highly recommended. In color it is a bright red; has a comparatively smooth surface. The vine is strong and the fruits set close. It is quite productive, and offers chances for money making to all gardeners who can get it in and out of the way before the Acme and other main crop varieties are offered.



THE IMPERIAL TOMATO.

✓ **The Honor Bright.** This is a remarkable red variety. The color of the fruit when fully ripe is a rich, bright red, but before reaching this stage it undergoes several interesting changes. First it is light green, then an attractive waxy white, then lemon changing to red. It is one of the most attractive and handsome varieties grown, and well adapted for home use and market, and on account of its solidity and long keeping qualities, it is especially recommended for shipping.

✓ **Livingston's Magnus.** A new variety. It is very distinct, having the color of Livingston's Beauty and Acme, but thicker, heavier and more solid than either. The form is uniformly perfect, large and attractive, very deep from blossom to stem end, and almost globe shaped. Fruit in clusters, ripening evenly and maturing quickly enough for early market. Flesh is firm and flavor most desirable.

✓ **Perfection.** Of good size, color red. An early ripener. Almost round, smooth and solid. Very productive.

✓ **Atlantic Prize.** This variety, after Leonard's Early Market, is the most desirable real early tomato. It is a well known tomato, as heretofore it has been called our earliest smooth tomato, and for years has given satisfaction.

✓ **Favorite.** A fine standard variety. It is a good shipping sort, fine for canning. Excellent sliced, good for the market or home garden.

✓ **Royal Red.** A fine new tomato. Medium size, smooth, solid.

✓ **Trophy.** A good main crop sort. Color red; fruit large.

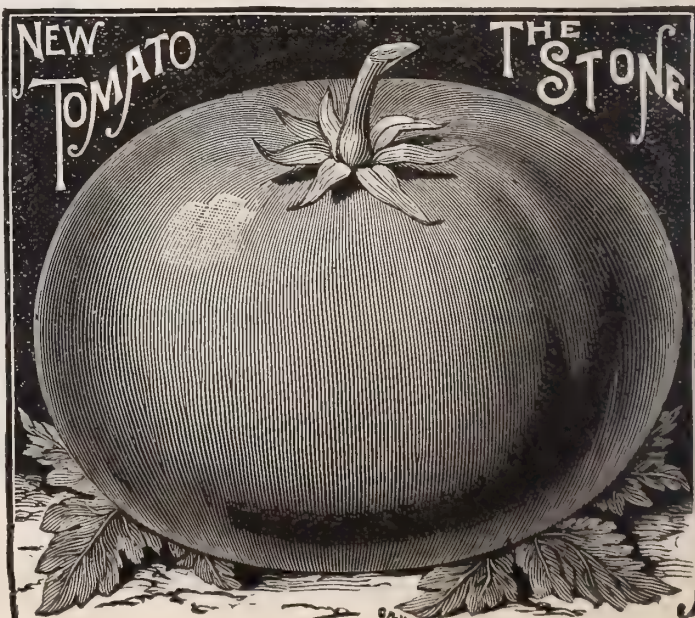
**MARKET GARDENERS WRITE FOR SPECIAL PRICE LIST.**

✓ **Stone.** This variety has obtained great favor with canners, southern growers, and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome, and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points.

*The Chicago market gardeners make money on Tomatoes grown from Leonard's Tomato Seed. It is always safe and satisfactory.*

**For All Prices on Tomato  
See Next Page.**

**SEE PAGE 4 FOR DWARF  
STONE TOMATO, ALSO FOR  
SPARKS' EARLIANA.**





## TOMATO.

**Beauty.** A decided favorite for either home market or shipping purposes, being early, hardy, a strong grower, productive, large size, always smooth, perfect in shape and excellent in quality. The color is a very glossy crimson, with a tinge of purple. It grows in clusters of four to six large fruits, retaining its large size late in the season. It ripens with Acme and Perfection, and is entirely free from ribbed and elongated fruit.

**Mikado, or Turner's Hybrid.** One of the latest of the good market varieties. The vines are very distinct. Have a potato leaf appearance. In color, this sort is like the Acme, fine, large, smooth fruits.

**Ponderosa.** This variety when conditions are favorable, grows to an immense size and makes the heaviest fruit of any in the list. Our stock is from the original strain. None better.

**Dwarf Aristocrat.** This fine *early variety* in habit of growth and foliage resembles the Dwarf Champion very much, and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy red fruit, so much preferred in many localities to the purple or rose colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present standard of excellence. It is desirable for forcing under glass, especially on the side benches, and for growing outside for early market purposes. It may be planted two by three feet, or even closer, making it also suitable for small gardens, where every foot of land is to be utilized.



THE BEAUTY.

**Buckeye State.** A mammoth growing tomato of smooth form and extra quality. The largest fruited variety yet introduced.

## Tomato Price List.

The Prices are for the Seed Prepaid to Your Address  
by Mail or Express.

	Pkt.	Oz.	¼-lb.	Lb.
✓ Acme .....				
✓ New Imperial .....	\$0 05	\$0 25	\$0 75	\$2 50
✓ Leonard's Early Market .....	05	25	75	2 50
✓ Honor Bright .....	05	25	75	2 50
✓ Magnus .....	05	25	75	2 50
✓ Perfection .....	05	20	60	2 00
✓ Atlantic Prize .....	05	25	75	2 50
✓ Favorite .....	05	20	60	2 00
✓ Royal Red .....	05	25	75	2 50
✓ Trophy .....	05	20	60	2 00
✓ Stone .....	05	20	60	2 00
✓ Optimus .....	05	20	60	2 00
✓ Beauty .....	05	25	75	2 50
✓ Mikado .....	05	25	75	2 50
✓ Ponderosa .....	05	35	1 00	3 00
✓ Dwarf Aristocrat .....	05	35	1 00	3 00
✓ Buckeye State .....	05	25	75	2 50
✓ Dwarf Champion .....	10	50	1 50	4 00
✓ Essex Hybrid .....	05	25	75	2 50

**Dwarf Champion.** This is a purple fruited variety, which forms very strong plants about two feet high. The branches are short, making a bushy plant that stands quite erect without stakes. This sort is often sold as Tree Tomato. Fruit smooth, medium sized, color purplish pink, fairly solid, but has no hard core, and is of good flavor. About as early as any purple fruited tomato, and is quite popular in some localities, both for market and home use.

**Golden Queen.** A fine large yellow skinned tomato of splendid flavor. Good for slicing with the red for contrast.

**Optimus.** One of the best table tomatoes. Vine medium sized, vigorous and strong. While not classed as a first early, it is reported by growers to ripen fully as early as many of the earliest, making an excellent forcing variety. The fruit is medium sized, oval, very smooth, and of a very bright crimson-scarlet color; very free

from cracks. The flesh is also crimson scarlet and very even, and excellent in flavor. For home use, as well as canning, the Optimus is one of the best.

**Husk, or Ground Cherry.** This is a small sized fruit grown within a husk. It is valuable for preserving, for making into pies, or for eating from the hand. There are two colors, either of which we can supply as follows: Yellow Husk Tomato; Purple Husk Tomato. Either color. Pkt., 5c.; oz., 20c.

**Yellow Peach.** A very beautiful variety, having a skin similar to a peach in texture, and of a deep lemon yellow. Pkt., 5c.; oz., 25c.; ¼ lb., 90c.

**Acme.** One of the best standard sorts. Of a fine crimson purplish color. Shape is smooth, size large and uniform. For the market or home garden no sort is better.

**Essex Hybrid.** Similar to the Acme in color and general appearance, but is considered a better shipper and keeper.



HUSK TOMATO.

✓ Spark's Carolina Tomato.



**TURNIP.**For Prices See  
Foot of Page.

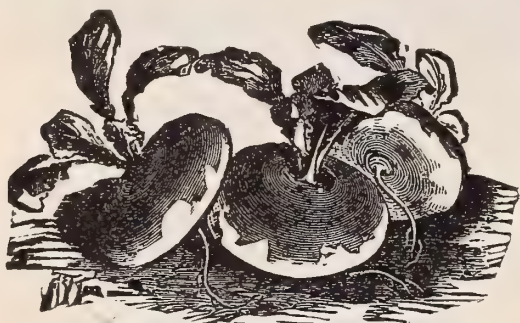
✓ **Extra Early White Milan Turnip.** The Purple Top Milan is one of our most popular turnips for spring sowing, but in this new sort we have a splendid extra early turnip in which the extreme earliness, small top and tap root of the Purple Top Milan is united with clear white skin and flesh. It will undoubtedly find a welcome in our markets, as, in addition to the heavy crop assured by its adaptability for close planting, it will be found to be fit for use at least a week earlier than any other pure white variety in cultivation.

✓ **Pomeranian White Globe.** This is one of the most productive kinds, and in good, rich soil roots will frequently grow to twelve pounds in weight. It is of perfect globe shape; skin white and smooth; leaves large and dark green.

✓ **Early Snowball.** A perfectly globe shaped, white skinned turnip. It is exceedingly productive. The flesh is fine grained, firm and of very delicate flavor. It is one of the best keeping of the white fleshed sorts. Very early and particularly adapted for family or market use. We recommend it to market gardeners because its earliness and fine appearance make it a very profitable variety of turnip.

✓ **Early White Flat Dutch.** An excellent garden variety. The best for spring sowing.

✓ **White Egg.** Belongs to the class of quick growing fall turnips, and for this purpose should be sown, in this latitude, between August 10 and 25. Its shape is nearly oval or egg, as its name would indicate.



EXTRA EARLY PURPLE TOP MILAN.

✓ **Purple Top White Globe.** An early variety. Globe shaped; heavy cropper. In other respects similar to the Red Top Strap Leaf. A handsome looking bulb, and is rapidly taking the lead of all other varieties of early turnips for market garden purposes.

✓ **Extra Early Purple Top Milan.** The earliest in cultivation, two weeks earlier than Purple Top Strap Leaf. The bulb is flat, of medium size, quite smooth with a purple top. Flesh white, hard and of finest quality. It is an extra good keeper.

✓ **Large White Norfolk.** The standard variety for field culture for feeding stock. Very large size.

✓ **Cow Horn.** This variety is pure white, except a little shade of green at the top, and is carrot-like in form, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored, of very rapid growth, and has obtained considerable favor as a market sort for fall and early winter use.

✓ **Sweet German.** This variety is very popular in many sections, notably so in the New England states. It partakes largely of the nature of the rutabaga, and should be sown a month earlier than the flat turnips. The flesh is white, hard, firm and sweet; keeps nearly as well as the rutabaga. Highly recommended for winter and spring use.

✓ **Seven Top.** Cultivated extensively in the south for the tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root, and is only recommended for the tops.

✓ **Purple Top Munich.** The earliest variety after the Red Top Milan. Color white, with purplish white top.

✓ **Purple Top Strap Leaf.** Rapid grower and mild flavor, the most popular variety for early use, either for the table or stock.

✓ **Scarlet Kashmir.** A most distinct novelty; of such peculiar color that it has a striking resemblance to a large radish. "Unwarned judges would, no doubt, pronounce it one of those radishes so persistently complained of as tasting like turnips!" However, it is a turnip, and of most excellent flavor; of a deep, rich crimson above, shading to a soft crimson rose below.

**YELLOW FLESHED SORTS.**

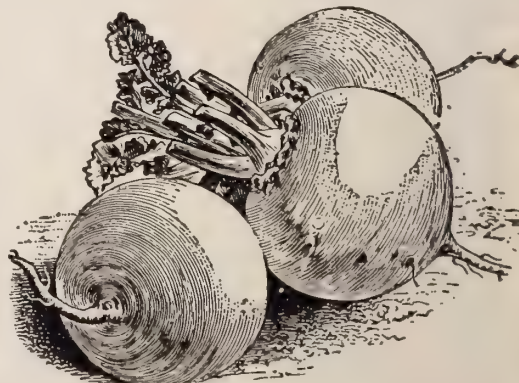
✓ **Yellow Aberdeen.** Very hardy and productive, a good keeper; globe shaped. Color pale yellow, with purple top. Very firm in texture, and closely resembling the Rutabagas in good keeping qualities. Good either for table or stock.

✓ **Large Amber Globe.** One of the best varieties for a field crop for stock. Flesh yellow, fine grained and sweet; color of skin yellow; top green. Hardy, keeps well, a good cropper. Very popular in the south.

✓ **Yellow Stone.** A very desirable sort. The roots are of medium size, uniformly globular and perfect in shape, smooth skinned and of pale yellow color. The flesh is crisp, tender and of fine quality.

✓ **Yellow Globe.** Very similar to the Yellow Stone and a very attractive sort.

✓ **Orange Jelly, or Golden Ball.** Undoubtedly among the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and of most excellent flavor. Keeps well and is superior as a table variety. It is extensively used.



EARLY SNOWBALL.

**PRICES OF ALL VARIETIES OF TURNIP ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**  
PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.





WHITE RUTABAGA.

For Prices See  
Foot of Page.

## RUTABAGA.

### SWEDISH TURNIP.

✓ **White Rutabaga.** This variety is now very extensively cultivated, and preferred in many sections for its white flesh. It is very hardy and productive, keeps well until late in the spring, and is highly esteemed for its sweet, delicate flavor.

✓ **Sweet German.** A superior variety for table or stock. Flesh firm, sweet and juicy.

✓ **Laing's Improved.** One of the earliest of the rutabagas. Forms a handsome bulb of good quality. Keeps well; good for table use.

✓ **Long White French.** A very delicate flavored variety. An excellent keeper and fine for table.

✓ **Skirving's Purple Top.** A very heavy cropper. One of the best for field culture.

✓ **Carter's Imperial Hardy.** An English variety resembling the preceding. Very productive and of fine quality.

✓ **Monarch or Tankard.** This is a yellow fleshed sort, having very large, tankard shaped roots, with relatively small necks and tops. Color purplish crimson above ground, yellow below; flesh very solid, fine grained and of the best flavor. This very popular variety is also sold

as Hurst's Monarch and Carter's Elephant.

✓ **Drummond's.** An improved strain of purple top Swede, excelling in uniformity of shape, color and quality. Considered by many an excellent table sort.

✓ **Improved American.** The best yellow fleshed, purple top variety grown for stock or table.

✓ **Budlong's White Rock.** Though sometimes called a turnip this is more like a rutabaga. The root is large, both skin and flesh very white, and it is one of the best varieties we have for table use. An excellent keeper and a desirable sort for market gardeners.

✓ **Bangholm.** A very superior variety, both in form and quality, and held in high estimation in many parts of England. Of large size, small neck, few or no side roots, and yields well. Flesh, yellow, sweet and solid; skin yellow with purple top.

**PRICES OF ALL VARIETIES OF RUTABAGAS ARE: PKT., 3c.; OZ., 5c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.**



IMPROVED AMERICAN RUTABAGA.



CONNECTICUT SEED LEAF TOBACCO.

## TOBACCO.

**Pennsylvania Seed Leaf.** This is the variety mostly grown for cigars, and is of fine quality and excellent flavor. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Persian Rose.** A fine brand for cigars. Sells well. Pkt., 5c.; oz., 20c.

**Yellow Pryor.** A fine yellow sort, and succeeds well where others fail. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Blue Pryor.** This is the genuine article and a good sort. Pkt., 5c.; oz., 20c.

**General Grant.** Very early, and a good yielder. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**CONNECTICUT SEED LEAF.** The best sort for cigar wrappers. Try it. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Havana.** This is the genuine article, and is first-class. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Ohio.** White leaved. A large yielder. Pkt., 5c.; oz., 20c.; lb., \$2.00.



# MISCELLANEOUS SEEDS AND ROOTS.

## PEANUTS.

Peanuts can be raised with but little expense, and are an exceedingly productive and paying crop. They are planted in much the same manner as potatoes, and require but little care beyond hilling up the young plants.

**Spanish.** This variety is smaller and sweeter than the common, or Virginia. Plants grow upright and strong, and are easily harvested. Pkt., 10c., pt., 25c.; qt., 50c.

**Virginia.** This is the common peanut grown in the South. Pkt., 10c.; pt., 25c., qt., 50c.; postpaid.

## JERUSALEM ARTICHOKE.

This variety is cultivated for its tubers, which are especially valuable for stock feeding on account of their fattening properties; they are well adapted to any soil where corn and potatoes can be grown. They are the best hog food, a preventive of cholera and other hog diseases. Three bushels of tubers are sufficient to seed one acre; cut to one eye, the same as potatoes, planting in April or May in rows 3 feet apart and 2 feet in the rows, and cover about 2 inches deep. Price, lb., 25c.; 3 lbs. for 65c., postpaid; by freight or express, pk., 35c.; bu., \$1.15; bbl. of 3 bu., (enough for one acre), \$2.50; 2 bbls. for \$4.90, on cars at Chicago.



ARTICHOKE, JERUSALEM.

## AILANTHUS. (TREE OF HEAVEN.)

This splendid ornamental tree is a native of China, where it is called the Tree of Heaven, from its great beauty. It is very hardy, and thrives in any soil, no matter how poor, and grows from 6 to 10 feet high from seed the first summer. The leaves, from 5 to 6 feet in length, give it a grand appearance. Nothing outside the tropics can rival it for lawn decoration. Large panicles of bloom, followed in season by great clusters of colored seed pods, make the tree a continual thing of beauty. The cut represents a portion of a tree in bloom, and also a seedling tree four months from sowing. For beautifying lawns and flower beds nothing can be finer, they being even more beautiful than Ricinus or Cannas. Pkt., 5c.

## FRUIT TREE SEEDS.

	oz.	lb.		oz.	lb.
Pear.....	\$0.15	\$1.50	Apple.....	\$0.10	\$0.35
Plum Stones.....	0.10	0.50	Cherry Stones, Ma-		
Quince.....	0.20	1.75	haleb.....	0.10	0.75
			Peach Stones.....		0.25

## FOREST TREE AND HEDGE SEEDS.

### EVERGREEN.

	oz.	lb.
Arbor Vitæ, American.....	\$0.20	\$2.00
Fir, Silver.....	0.10	0.75
Pine, Scotch.....	0.20	2.00
" Weymouth or White..	0.20	2.00
Spruce, Norway.....	0.15	1.25

For Poultry Supplies see Page 110.

### DECIDUOUS.

	oz.	lb.
Ash, White.....	\$0.10	\$0.60
" European.....	0.10	0.60
Birch, White.....	0.10	0.75
Larch, European.....	0.15	1.50
Linden, European.....	0.10	0.75
Locust, Honey.....	0.10	0.50
" Yellow.....	0.10	0.50
Mulberry, White.....	2.00	2.00
" Russian....	0.25	2.50

## RUSSIAN SUNFLOWER.

This is highly prized by poultry raisers and farmers as a cheap food for fowls. It is immensely productive and can be raised cheaper than corn, as any waste piece of ground will suffice. It is the best egg producing food known. Prepaid, Oz., 5c.; 1/4-lb. 10c.; 1b., 20c. Not prepaid: 10 lbs., 50c.; 25 lbs., \$1.00; 100 lbs., \$2.99

## BEGGAR-WEED.

(Florida or Giant Beggar-Weed; *Desmodium tortuosum*).

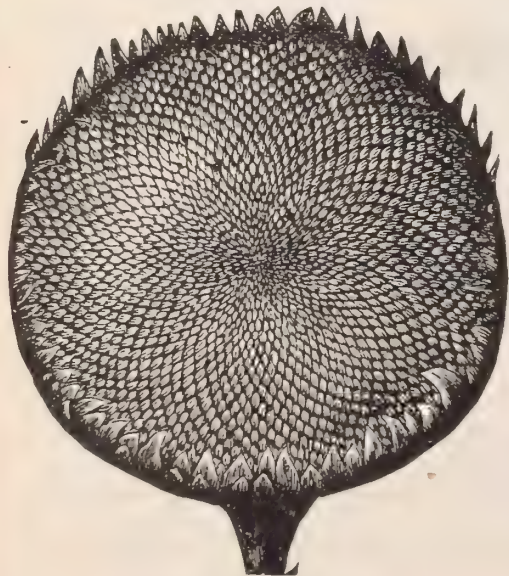
An erect leguminous annual, growing from 3 to 8 feet high, with abundant foliage, valuable as forage or for soil renovation in sub-tropical regions. It is highly recommended for improving light, sterile, sandy soils by plowing under, and it also makes hay of a fine quality. It should be sown at the rate of 10 pounds of clean seed to the acre, after the ground is warm and moist. The seed should be but very lightly covered. If for hay, it should be cut just as it begins to bloom. Lb., 45c.; 5 lbs., \$1.75, prepaid. By express, 5 lbs., \$1.35; 10 lbs., \$2.50.



SPANISH PEANUTS.



AILANTHUS, OR TREE OF HEAVEN.



RUSSIAN SUNFLOWER.



## MISCELLANEOUS GRAINS AND FORAGE PLANTS.



PHOTOGRAPH OF A FIELD OF ESSEX RAPE.

**DWARF ESSEX RAPE.**

A forage plant of great merit, easily grown in any part of the United States, on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture, at a season when it is most needed. It is of great value for sheep and lambs, and when turned on it, to use a common expression, "they soon weigh like lead." It is also of value for pasturing cattle. One acre of rape is sufficient to pasture ten to fifteen lambs on for two or two and one-half months. It is often sown broadcast, about five pounds to the acre, but will yield much better if drilled about two pounds to the acre, in rows twenty-two inches apart, and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July. Can, however, be sown with grain in the spring, and is said not to interfere with the grain crop. Price subject to change. Lb., 20c.; 3 Lbs., 50c.; postpaid. By express or freight, 10 Lbs., 50c; 100 Lbs., \$4.00.

**SUGAR CANE.**

**EARLY AMBER.** Its early maturity adapts it almost to every section. It has given entire satisfaction wherever introduced as a profitable crop for fodder as well as for sugar-making. It usually grows 11 to 12 feet high and stands well. If planted the first week in May the seed almost invariably ripens, thus giving a double crop each year, yielding 20 to 30 bushels of seed and 140 to 175 gallons of syrup to the acre. Sow 68 lbs. per acre. Pkt. ( $\frac{1}{4}$  Lb.), 10c.; Lb., 20c., postpaid; 10 Lbs., 60c.; 50 Lbs., \$1.00; 100 Lbs., \$2.00.

**BROOM CORN.**

**TENNESSEE EVERGREEN.** More largely grown in the western states than any other. The brush is noted for its fine quality, good length and handsome appearance, cut before the seed is ripe, it is a beautiful pea green color. It ripens early and yields heavy crops. Lb., 25c.; 3 Lbs., 65c. By freight, 10 Lbs., \$1; 25 Lbs., \$1.75; 100 Lbs., \$4.00.

**MISSOURI EVERGREEN.** Has coarser brush than the Tennessee, and is therefore desirable for making heavy brooms. Lb., 25c.; 3 Lbs., 65c. By freight, 10 Lbs., \$1; 25 Lbs., \$1.75; 100 Lbs., \$4.00.

**TEOSINTE.**

A valuable fodder plant from Central America, in growth resembling Indian corn. Well adapted to our southern states. Oz., 20c.; Lb., \$1.25.

**LATHYRUS SYLVESTRIS.**

(FLAT PEA.)

A new perennial forage plant, possessing many valuable features. It grows well on very poor, unimproved, sandy soil, can withstand pretty severe frosts, roots so deeply that it is not injured by severe drought, yields superior forage for all farm stock, and has excellent qualities as a fertilizer. Oz., 20c.; Lb., \$1.40.

**SEED BUCKWHEAT.**

**JAPANESE.** The kernels are at least twice the size of those of any other variety, and of a shape peculiar and distinct from all others. The color of the kernels is also most distinct, being a rich, dark shade of brown. The straw is heavier, very branchy, and does not need to be sown as thickly as other kinds. The quality is excellent and the yield is enormous. It is about a week earlier in ripening than the Silver Hull. 100 Lbs., \$1.75.

**SILVER HULL.** This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. 100 Lbs., \$1.75.

**Common.** Buckwheat should be sown about the 20th of June, broadcast, at the rate of from one to three pecks per acre. The average yield is from twenty-five to thirty bushels per acre. It should be threshed as soon as dry, on the ground or barn floor. If allowed to stand in mass it quickly gathers moisture. 100 Lbs., \$1.75.

**LUPINS.**

**BLUE.** Used for the same purpose as the yellow variety. Lb., 30c.; 100 Lbs., \$8.00.

**WHITE.** One of the best plants known for soiling. It may be sown from April to July, and plowed under when in flower. The seed when burned is excellent manure for orange and olive trees. Lb., 30c; 100 Lbs., \$9.00.

**YELLOW.** Less thrifty than the white variety, but still having an advantage over it in remaining green for a longer period. It succeeds well in the poorest soil, and is valuable for plowing in. Lb., 30c.; 100 Lbs., \$8.00.

**EGYPTIAN LENTILS.**

Largely used in oriental countries, and is one of their principal articles of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. They are in growth similar to peas, and may be used in any way that you would use shell beans, and they also make an excellent soup. Sow and cultivate same as garden peas, and thresh out in the fall. All should try them. Pkt., 5c.; Oz., 10c.;  $\frac{1}{4}$  Lb., 15c.; Lb., 30c. By express, 5 Lbs. or more at 15c. per pound.





# Miscellaneous Grains and Forage Plants.

## DHOURA CORN.

**Brown.** Lb., 20c.; 100 lbs., \$8.00.

**Yellow Branching.** (Yellow Millo Maize.) It is non-saccharine. Useful only for the large amount of foliage, green feed or cured fodder that it furnishes, and for its grain. Lb., 20c.; 100 lbs., \$5.00.

**White Branching.** (White Millo Maize) The merit of this non-saccharine sorghum is that when cut for feeding, it starts again from the remaining stumps with renewed strength and vigor. Thrives in the hottest and driest localities. Lb., 20c.; 100 lbs., \$5.00.

**Jerusalem Corn.** One of the best and surest for dry countries and seasons. Grows about three feet high, with one large head on main stalk and several smaller heads on side shoots. The grains are white and nearly flat. Lb., 20c.; 100 lbs., \$3.00.



KAFFIR CORN.

## KAFFIR CORN.

One of the best forage plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth, springing at once from the roots, will still mature (in climates similar to Central Kansas) a full crop of grain and a second full crop of forage before the middle of October. Sow in rows 3 feet apart, 3 to 6 lbs. of seed to the acre.

**White or Red.**—Each pkt., 5c.; lb., 20c.; 3 lbs., 50c., postpaid; 10 lbs., 50c.; 100 lbs., \$2.50, not postpaid.



YELLOW BRANCHING DHOURA CORN.

**GINSENG**== We have a pamphlet giving full directions for growing this, and stating at what time to plant in order to get best results. Price, 10c, postpaid.

## VETCHES.

**Spring.** (*Vicia Sativa*.) Sown broadcast at rate of one to one and a half bushels to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Also ground up into flour, after which it is mixed with wheat flour for making bread. A valuable plant. Qt., 35c.; bu., \$5.50.



SOJA BEANS, OR COFFEE BERRY.

**Sand, Winter or Hairy.** (*Vicia Villosa*.) This variety thrives on poor, arid, sandy soils. It is sown either in fall or in spring, and generally mixed with rye, which serves as a support to the plants. It grows to a height of from three to four feet, and can be cut twice for fodder, first as soon as the bloom appears, and then it can be again cut for the seed. The plant is perfectly hardy, and the produce is recommended as most nutritious. The seed is black and perfectly round, and should be sown at the rate of one and one-half bushels to the acre. Qt., 45c.; bu., \$10.00.

## BEANS.

**Velvet Bean.** (*Dolichos Multiflorus*.) This new bean is becoming very popular in the South and middle North. It is very prolific, vines running over 12 feet long; both vines and pods are eaten by all kinds of stock. An excellent fertilizing plant for plowing under. At the Experiment Stations it has given wonderful results as a fertilizer. Should be planted in rows about 4 feet apart and 1 foot apart in the row, putting two or three beans in each place. The culture is the same as for Cow Peas. Pkt., 10c.; lb., 25c., postpaid. By freight or express, pk., 90c.; bu., \$3.00.

**Soja Bean, or Coffee Berry.** This valuable forage plant is one of the most nutritious of all vegetable products. It will produce a crop of 20 to 30 bushels per acre, and is as easily grown as other beans. For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. When roasted and coarsely ground the beans taste so nearly like Brazilian coffee the difference is scarcely perceptible. It is certainly the best of all substitutes for coffee yet found. Sow one-half bushel per acre broadcast, or one gallon per acre in drills 3½ feet apart and 1½ feet between the plants, dropping two or three in a hill. Price, large pkt., 10c.; ½ lb., 20c.; lb., 35c., postpaid. By express or freight, per pk., 75c per bu.; \$2.00, bags included.



WINTER OR SAND VETCH.



## MISCELLANEOUS GRAINS AND FORAGE PLANTS.



## CANADA FIELD PEAS.

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at a cost of millions of dollars."—(Year-book of the U. S. Department of Agriculture.)

For the Northern States there is no crop of greater value than Field Peas and none is more neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the Peas sown alone at the rate of three bushels per acre for plowing under, there is no crop that we can so strongly recommend for more extended culture.

✓ **Golden Vine.** The best variety of all, as they yield the largest crop, are not affected by weevil, and stock does as well on them as when fed on clover hay. If you have heretofore used only the common field peas, you will be greatly pleased with the Golden Vine. Give it a trial.

Pk., 60c; Bu., \$1.50.

✓ **White Canada.** [More used than any other. Pk., 50c; Bu., \$1.40; 2 Bu. or more, \$1.35.]

✓ **Blue or Green.** Like above except that color is a bluish green.

Pk., 50c; Bu., \$1.40; 2 Bu. or more at \$1.35.



## COW PEAS.

**NOTE.**—Cow Peas are held in very high esteem for forage purposes, especially on sandy soils. It has been said that the Cow Pea has almost as much agricultural importance in the South as red clover in the North or alfalfa in the far west. Great changes are now in progress, however, in farming methods, and there is to-day a wide spread disposition to plant Cow Peas farther north than formerly, on account of their quick growing habit, their drought resisting ability, and their great value for silage and soil improvement purposes. They will thrive wherever conditions favor corn. The yield of green fodder per acre often reaches five tons, and is sometimes as much as eight or nine tons. Some growers turn the mature vines under with the plow. Some harvest the hay and plow down the stubble. Others ripen and pick the seed, and then plow the vines under. Some Cow Peas are trailers, with very long vines; others assume the bush form. Sow seed at the rate of 1 to 1½ bushels per acre. The Cow Pea is a nitrogen gatherer, and hence improves the soil.

**Black Eye.** Seed large, round, oblong, creamy white, with a large black eye. Pk., 60c., Bu., \$2.00.

**Whip-Poor-Will.** The seeds are large, speckled brown in color. Pk., 60c., Bu., \$2.00.

**Black.** Seed all black. Called also "The Poor Man's Pea," on account of its wonderful prolificacy. Pk., 60c.; Bu., \$2.00.

**Clay Colored.** Large Seed of a blue clay color. Pk., 60c.; Bu., \$2.00

The prices on Cow Peas and Field Peas vary with the market. The prices we quote are those ruling at this date, Jan. 1, 1904.

WILD RICE.—(*Zizania Aquatica*.)

The only one of our native plants furnishing food for wild fowl, ducks, geese, etc., which has been made an article of commerce. This seed can be sown on the borders of lakes, ponds and along small streams to great advantage, attracting all of these wild birds from September on. It purifies the water and affords refuge to the small fry from the large fish. It makes a good hay, and at the south two crops can be cut, and all cattle are fond of it. Sow in water having a mud bottom.

Lb., 30c., postpaid; Bu. of 20 lbs., \$3.50. Write for price on large quantities.

## BROMUS INERMIS, OR AWNLESS BROME GRASS.

The greatest of all grasses, succeeds and produces immense crops of high nutritive value on the sterile and arid plains of our Western States, growing luxuriantly on dry, sandy soils, where other grasses would perish. It is perennial, and once sown down will stand for 10 years. It is one of the surest to obtain a catch from, establishing itself very rapidly, so much so that a good Hay crop can be had the first season, followed afterwards by an immense amount of succulent pasturage; on and after the first season two crops a year can be had from it, often running over five tons cured Hay per acre. When fully grown the plant stands from 4 to 5 feet in height and stools out freely; it is ready to cut the latter part of June. Lb., 25c.; 3 lbs., 60c., postpaid; by express or freight, 10 lbs., \$1.50; 25 lbs., \$3.25; 100 lbs., \$11.50



# Miscellaneous Grains and Forage Plants.

## SEED RYE.

**Fall or Winter.** The time for sowing is from the middle of August to the last of September. One plowing is given and the seed sown broadcast at the rate of one and one-half bushel per acre, and dragged in. Harrowing and rolling in the spring are recommended. If cut before fully ripe the grain makes more and better flour; if intended for seed it should be fully ripe. Sow some rye among standing corn hoeing it in, leaving the ground level as possible after the corn has been removed, rolling the ground. It succeeds best on sandy soil. Bu., \$1.00; 10 bu., \$9.00; larger quantities priced on application.

**Spring.** Although this grain is often planted by farmers especially for the paper makers, who prefer it to any other, its principal value is as a "catch" crop, to sow where winter grain has failed. The straw is shorter and stiffer than that of the winter variety, and is always easier secured, while the grain, although smaller, is of equal value. Bu., \$1.25; 10 bu., \$11.00; larger quantities priced on application.

## MILLET SEED.

Please note that Millet Seed is quoted by the 100 lbs.; bushel price would be one-half the 100 lbs. price.

**Siberian.** A new and wonderfully productive forage plant from Russia, which has given excellent results in the United States. Lb., 25c; 3 lbs., 60c., postpaid. By Express or Freight, 100 lbs., \$1.75. Write for prices on larger lots.

**Pearl.** (*Penicillaria Spicata*.) A valuable fodder plant for the South; is enormously productive. Sow in drills eighteen inches apart, and 8 to 10 lbs. to the acre. Lb., 25c; 3 lbs., 60c., postpaid. By Express or Freight, 10 lbs., \$1.50; 100 lbs., \$8.50.

**Hog.** Known also as Broom Corn Millet. Quite unlike the German and common millet in habit of growth, as well as the appearance of the seed, which is much larger. The name Hog Millet has been applied to emphasize the use to which it is now being put as an economical and valuable food for hogs, while it is also one of the best varieties for use for birds and all like commercial purposes for which millet is sown. It is a valuable help in the profitable raising of swine, even in the best corn belts, and of much greater value in all northern localities where corn is not so important a crop. Lb., 25c; 3 lbs., 60c., postpaid. By Express or Freight, 100 lbs., \$1.75. Write for prices on larger lots.

**Japanese Barnyard.** (*Panicum Crus Galli*.)

This wonderful and valuable new forage plant was introduced into this country by Prof. Brooks, of the Massachusetts agricultural experiment station. It has proven an enormous yielder in all sections of the United States. Lb., 25c; 3 lbs., 60c., postpaid. By Express or Freight, 100 lbs., \$3.00.

**Common.** (*Panicum Miliaceum*.) Requires a dry light, rich soil, and grows two and one-half to four feet high, with fine bulk of stalk and leaves, and is excellent for forage. Sow broadcast from May 1 to June 20, if for seed, or until the last of July, if for hay. Per 100 lbs., \$1.75.

**German or Golden.** This variety is not so early as the Common millet, but yields a much larger crop. Southern grown seed is much preferred as it will produce more hay. Northern grown seed is usually hybridized with other millets, and will not grow as tall. We can furnish southern grown seed. Per 100 lbs., \$2.00.

**Hungarian Grass.** (*Panicum Germanicum*.) A valuable forage plant. Succeeds well on dry, light soil. Withstands the drought remarkably, remaining green when all other vegetation is parched up, and if its development is arrested by dry weather, the least rain will restore it to vigor. 100 lbs. \$1.75.

## PENCILLARIA.

A wonderful forage plant of great value to all stock farmers. It is unexcelled, if equaled, for its quick growth, immense size and splendid quality. The seed is small, about one-eighth the size of a grain of wheat; it should be planted about the first of May, and will grow and stool or tiller out surprisingly fast. Its growth is truly luxuriant, the broad foliage resembling corn leaves, and if allowed to develop will attain a height of twelve to fourteen feet, and bears cylindrical heads from twelve to twenty inches long, closely set with thousands of tiny seeds, which are greatly relished by poultry. A crop of this when nearing maturity looks like a field of giant timothy twelve to fifteen feet high. Pkt, 10c; ¼ lb., 25c; 1 lb., 75c., postpaid. By Express or Freight, 5 lbs., \$3.00; 10 lbs., \$5.50.

## FLAX.

**Russian.** We have some very choice seeds of this, much superior in every way to common flax. It will increase the yield and add to the value of the product. Most of the flax of the country is badly run out. It will pay you well to secure some new seed. Lb., 25c; pk., 75c; bu., \$1.75.

## AUSTRALIAN SALT BUSH.

A forage plant for alkali soils, and for regions subject to periodic drought. This is a most wonderful forage plant, as it will grow freely in arid and alkali lands that will produce no other vegetation, yielding a marvelously liberal foliage which is eagerly eaten by all kinds of stock. It is of creeping habit. From twenty to thirty tons of green fodder have been harvested from one acre. It has further been proved that after three or four crops have been grown on alkali land the soil is then capable of producing any other vegetation. In many sections of the States this is in itself of priceless value. This plant has been very extensively tried at the California experimental station, where single plants, grown on the poorest alkali ground, have reached a diameter of sixteen feet in one season. One pound of seed will plant an acre. It grows readily from seed, and requires no cultivation. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$1.75; 10 lbs. \$15.00.

## GIANT SPURRY.

An annual plant extensively cultivated in Europe as a winter pasture for cattle and sheep; grows well on poor, dry, sandy soil; an excellent fertilizer for light soil, and valuable for forage. Sow 12 lbs. per acre. Price per lb., 25c; 3 lbs., 65c., postpaid. Express, 5 lbs., 70c; 10 lbs., \$1.30.

## SAINFOIN or ESPARSETTE.

An excellent perennial Fodder Plant, growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast; 12 to 15 lbs. in drills. Lb., 18c; 10 lbs., \$1.20; 50 lbs., \$5.00.

## JOHNSON GRASS—(*Sorghum Halepense*.)

A popular grass in the Southern States. Valuable for fodder, growing 30 inches or more in height. It is a rapid growing perennial. On rich soil it may be cut three or four times in a season. Sow 20 to 25 lbs. per acre. Lb., 25c., postpaid; 10 lbs., \$1.50; 25 lbs., \$3.00.





# FARM GRAINS.

## SPELTZ OR EMMER.

The Valuable New Grain  
from Russia.

It is readily eaten by all kinds of stock, and has shown itself to be especially adapted when fed to milch cows. It is better to mix it, however, with bran and shorts, as it is a pretty heavy feed when fed alone. As a swine feed, we think very well of it, indeed, especially for breed sows. Horses do well on it, but I do not think it is equal to oats in that case. Its most striking value is found in the fact of its drouth-resisting qualities.

The United States Department of Agriculture has issued a bulletin on Speltz, commending it highly, and the introductory paragraph of that bulletin states:

"The extremely variable climatic conditions in some of our western States have made it desirable to give particular attention to crops resistant especially to cold and drouth. Among such crops Emmer holds high rank and should become one of the prominent crops for stock feeding. Lbs., 25c; 3 Lbs., 60c, postpaid; Bu. of 40 Lbs., 90c; 3 Bus., \$2.50; 6 Bus., \$4.50; 10 Bus., \$7.50

## BEARDLESS BARLEY.

This barley is much thought of by all who have grown it. It is a very productive variety. Makes excellent feed for swine, and is preferred by brewers for malting purposes. Lb., 15c; 3½ Lbs., 50c, postpaid; Pk., 45c; Bu., \$1.25; 10 Bus., \$10.00.

## WHITE HULLESS BARLEY.

This variety of Hulless Barley is the best. It is highly prized in the Northwest, where it has been grown for a number of years, and is becoming very popular everywhere. Lb., 15c; 3½ Lbs., 50c, postpaid; Pk., 60c; Bu., \$1.75; 10 Bus., \$15.00.

## HIGHLAND CHIEF BARLEY.

This popular two-rowed Barley is one of the best of the standard sorts. It is very productive, and the berry is large. Lb., 15c; 3½ Lbs., 50c, postpaid; Pk., 40c; Bu., \$1.00; 10 Bus., \$10.00.

## MANSHURY BARLEY.

A six-rowed Barley, well-known and popular. Very productive, hardy, vigorous, and profitable. Lb., 15c; 3½ Lbs., 50c, postpaid; Pk., 40c; Bu., \$1.00; 10 Bus., \$9.00.

## SPRING WHEAT.

### VELVET CHAFF BLUE STEM.

This is a very superior milling wheat. It is the most popular in many of the spring wheat growing sections. It makes a good crop where other kinds fail, and is reliable always. Lb., 15c; 3½ Lbs., 50c, postpaid; Pk., 50c; Bu., \$1.50; 10 Bus., \$14.00.

## SASKATCHEWAN FIFE.

This well-known standard variety has been widely grown for many years, and it is still as popular as ever. Pk., 50c; Bu., \$1.50; 10 Bus., \$14.00.

## MINNESOTA No. 163.

This is a new variety, and is an improvement over any known sort of productiveness. It is the result of many experiments in crossing by Professor Hays of the Minnesota agricultural experiment station, who for twelve years has been engaged in the scientific breeding of wheat. At the station farm during the past six years this variety has averaged two to five bushels per acre more than the best Fife and Blue Stem Varieties. Lb., 20c; 3½ Lbs., 50c, postpaid; Pk., 50c; Bu., \$2.00; 10 Bus., \$17.50.

## MACARONI WHEAT.

This is a new variety highly spoken of by the U. S. Department of Agriculture for the semi-arid districts. The best quality of grain for Macaroni, according to experiments, is grown in the dry districts. Pkt., 10c; Lb., 25c, postpaid; Pk., 75c; Bu., \$1.50.

## SPELTZ.

It resists drouth. It thrives on poor lands, in stony ground, in forest regions, and on the prairies. It makes a good crop with almost any condition of soil or climate. It is a wonder.



SPELTZ.





# FIELD CORN.

Any Variety of Field Corn, lb. 20c, 3 lbs. 50c, Postpaid.

**EXTRA EARLY HURON DENT.** After several years' trial on a large scale it is concluded that this is one of the earliest Dent corns grown. Good size stalk and ear, small red cob, long, deep grain, very rich in oil and starch, and is the only smooth, very early Dent corn known. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**PRIDE OF THE NORTH.** This famous corn still retains its popularity. An exceedingly early and prolific variety, always maturing in ninety days, often shelling sixty-two pounds of grain from seventy pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about seven feet in height. This is, probably, the best Dent corn for general cultivation in the north. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**NORTH STAR YELLOWDENT.** One of the best early Dents. A safe variety to ripen in any locality. **Pk. 40c, Bu. \$1.25.**

**GOLDEN BEAUTY.** A large, broad grained, handsome yellow corn, which is very popular in some sections of the country. Ears are of good size, color bright golden yellow, cobs small. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**MINNESOTA KING.** A very early variety, in great favor with our customers in Minnesota, Wisconsin and the Dakotas, and it is considered there the most profitable and best yielding corn, no matter whether weather is favorable or not. It is a yellow half Dent variety, with broad, rich golden yellow kernels. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**EARLY MASTODON.** A new yellow Dent, the largest and earliest in cultivation; has yielded 200 bushels to the acre. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**CHAMPION WHITE PEARL.** Originated in Illinois and is enormously productive; a strong grower; matures in about 100 days. The stalk is stout and thick, with large ears set low. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

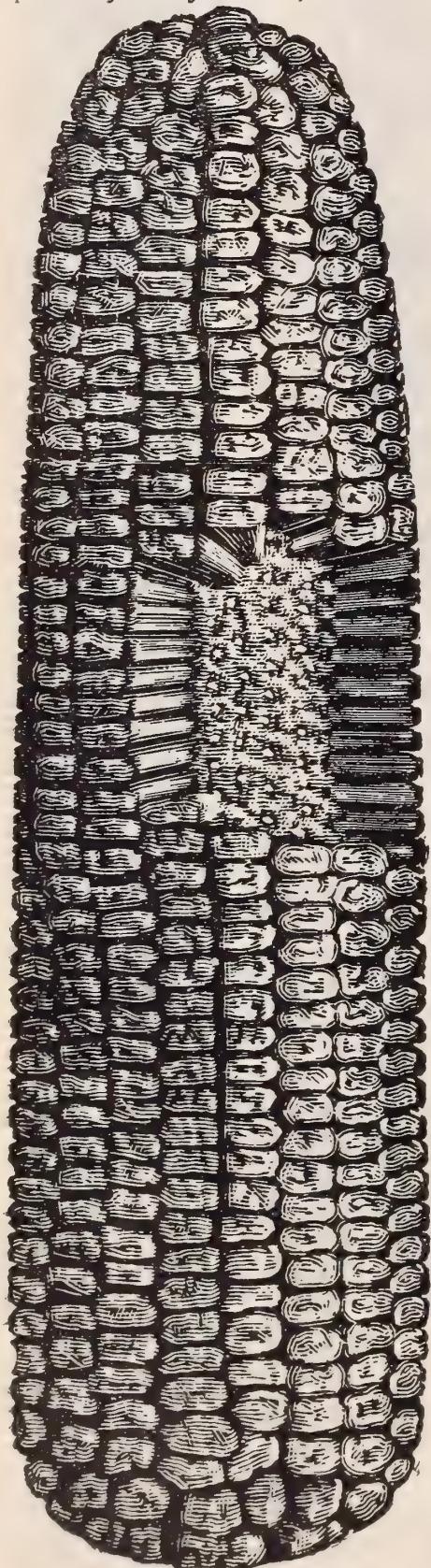
**IOWA GOLD MINE.** A splendid new yellow corn. Everyone who has tried it is enthusiastic in the praise of this splendid new variety, which was introduced in 1892. It has everywhere received the most cordial endorsement as one of the best and most profitable varieties ever grown. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**IOWA SILVER MINE.** The Iowa Silver Mine is a splendid new white corn. We believe that in its yield it will surpass all other varieties of any color. In 1894, the poor corn year, only three-fourths of an acre was planted, yet it yielded just seventy-three bushels, or at the rate of ninety-seven and one-third bushels to the acre. It has no barren stalks. The ears are very even in size, being but little smaller at the tip than at the butt, and corn is well filled out over the tip. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**REID'S YELLOW DENT.** A very good Yellow Dent Corn. In size, shape of ear and color of kernel similar to Leaming. This is one of the Yellow Dents classed as distinct, and having an established standing as such, by the Illinois Corn Breeders' Association. It is very popular and is considered a most profitable variety in many of our best corn growing sections. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**RILEY'S FAVORITE.** This fine Yellow Dent variety is a favorite in Indiana and in many sections of Illinois. It compares favorably with Leaming, ear not so tapering and kernel not so close on cob. The type is thoroughly established and its many valuable points recommend it to all corn growers. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**

**GOLDEN EAGLE.** This variety of Yellow Dent Corn is another popular medium maturing variety. Ears are large, slightly tapering, tips and butts well covered, kernels deep, cobs small. The yield of shelled corn from a weighed bushel of ears will usually go over standard. The samples of this corn remind us of the old time Edmonds Premium Dent. **Pk. 40c, Bu. \$1.25, 10 Bus. \$10.00.**



IOWA SILVER MINE.



IOWA GOLD MINE.



## FIELD CORN.

Any Variety of Field Corn, Lb., 25c.; 3 lbs., 50c.; postpaid.

### ✓ THE IMPROVED LEAMING.

The Improved Leaming Corn is a medium early yellow variety; large, slightly tapering ears, deep grain, and medium sized red cob. In favorable years there is much uniformity of both kernels and ears. Its numerous broad leaves not only encourage a healthy development but make it a valuable variety for feeding. It has been tested from the 38th to the 42d parallels of latitude, in the past ten years and has proved satisfactory to growers in this wide range. It is one of the seven varieties recognized by the Illinois Experiment Station, where it has been first in yield more times than any other variety in "test of varieties." Numerous tests at the experiment Station shows it high in protein and oil content, making it valuable to the live-stock grower and feeder. **Pk. 40c.; Bu., \$1.25; 10 bus., \$10.00.**

### ✓ BOONE COUNTY WHITE.

This excellent white variety is probably the best of that class to which Silver Mine and White Superior belong. It is the most popular white variety for Illinois, and would undoubtedly prove superior to all other **White Dents** wherever tried. The Illinois Corn Growers' Association class it as among the best White Dents. **Pk., 40c.; Bu., \$1.25; 10 bus., \$10.00.**

✓ **Longfellow Flint.** This is an 8-rowed Yellow Flint variety, the result of careful selection. The ears are from ten to fifteen inches long, one and one-half to one and three-fourths inches in diameter, are well filled out to the extreme end of cob. **Pk., 50c.; Bu., \$1.50; 10 bus., \$12.50.**

✓ **Canada Eight-Rowed Flint.** This standard Flint corn is the earliest of all. It is a safe corn to plant where the season is short. It will mature in eighty-five days of good corn weather. **Pk., 50c.; Bu., \$1.50; 10 bus., \$12.50.**

✓ **King Philip Corn.** This excellent red colored Flint corn is so well known that it needs no special description. **Pk., 60c.; Bu., \$1.75; 10 bus., \$12.50.**

## POP-CORN.

✓ **Wisconsin Eight-Rowed.**  
✓ **Maple Dale Prolific.**  
✓ **White Pearl.**  
✓ **Queen's Golden.**  
✓ **White Rice.**

Any variety of Pop-Corn  
Lb., 30c.; 2½ lbs., 50c.;  
5 lbs., \$1.00 Postpaid.

## ENSILAGE AND FODDER CORN.

If planted in drills, which should be about three and a half feet apart, twelve to sixteen quarts per acre are required. If sown broadcast, two to two and a half bushels are required to the acre.

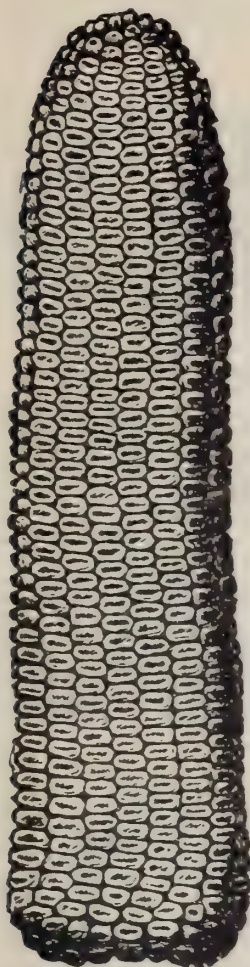
These prices include bags and delivery to depot.

**Southern Large Ensilage.** This variety gives a very heavy yield of fodder. **Pk., 35c.; 1-2 bu., 60c.; Bu., 90c.; 10 bus., \$8.50.**

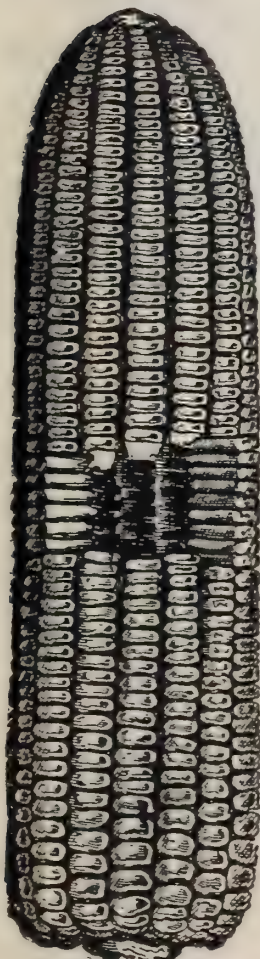
**Yellow Dent Ensilage.** The large growing Yellow Dent varieties make splendid fodder. **Pk., 35c.; Bu., \$1.00.**

**Sweet Corn for Fodder.** There is nothing better for green feed, or for curing for winter, than sweet corn. Sow in drills or broadcast. **Pk., 75c.; 1-2 Bu., \$2.00; Bu., \$5.00.**

**Red Cob Ensilage.** A most desirable variety, adapted to all sections of the country. **Pk. 40c; Bu. 90c; 10 Bu., \$8.50.**



IMP. LEAMING.



BOONE COUNTY  
WHITE DENT.



FODDER CORN.



## SEED OATS.



## CHANGE YOUR SEED.

A change of seed oats is even more important than a change of seed potatoes. It will pay you to renew your seed oats this year by sowing some of our improved varieties and thus greatly increase your yield. Any variety at 5c. per large trial package. Lb., 20c.; 3 lbs., 50c., by mail, postpaid.

In some parts of the country the oat crop was poor this past season. The excessive wet weather was against good crops. The earth is large, however, and there are plenty of good seed oats to be had, if looked for in the right direction.

Our central location puts us in a position to draw from every source of supply. We have every opportunity for getting the best there is to be had, and every facility for putting it in proper shape for seed purposes.

We deliver all Oats free on board the cars at Chicago, and make no charge for bags.

## WE ARE HEADQUARTERS FOR OATS.

**LINCOLN OATS.** Introduced in 1892, and is one of the best for earliness and yield. Has stiff straw and does not lodge. A splendid feeding oat on account of thin hull, heavy meat and soft nib. Pk., 30c.; Bu., 75c.; 10 bu., \$6.50.

**CLYDESDALE OATS.** A splendid variety of Scotch oats, which has become very popular in this country. Grain heavy and straw stiff; early, hardy and productive. Pk.; 30c.; Bu., 75c.; 10 bu., \$6.50.

**MOLD'S BLACK BEAUTY.** The best of all black oats. They are early, the straw is strong and vigorous, and the head extremely long. It stools out remarkably; so much so that 2 bushels are sufficient to seed an acre. Pk., 50c.; Bu., \$1.10; 5 bu., \$5.00.

## ROYAL VICTORIA.

This variety is the best yielding of the plump heavy grained sorts. It is an exceedingly early variety. For milling it is unsurpassed. The great weight of its grain makes its productiveness one-fourth more than the ordinary kinds, even though it thresh out but the ordinary quantity measured in bushels. Pk., 30c.; Bu., 75c.; 10 bu., \$6.50.

**WHITE BONANZA.** A well known oat of great productiveness. Straw stiff and grain plump. Pk., 30c.; Bu., 75c.; 10 bu., \$6.50.

**AMERICAN BANNER.** A fine variety of long grained oats. A good yielder. Excellent for feeding or milling. Pk., 30c.; Bu. 75c.; 10 bu., \$6.50.

**WELCOME.** A good milling oat; a heavy yielder. The grain is plump and heavy. Pk., 30c.; Bu., 75c.; 5 bu., \$3.50; 10 bu., \$6.50.

**GIANT FRENCH HYBRID, GOLDEN GIANT SIDE.** A special stiff-strawed variety; stools wonderfully, very productive, not inclined to lodge. The grain is long. Pk., 30c.; Bu., \$1.00; 5 bu., \$4.50; 10 bu., \$8.50.

**RACE HORSE.** A fine plump grained oat, exceedingly productive and hardy. The grain is short and heavy, weighing as high as forty-two pounds to the measured bushel. Pk., 30c.; Bu., 75c.; 5 bu., \$3.50; 10 bu., \$6.50.



## ROYAL VICTORIA OATS.

**SILVER MINE OATS.** A well advertised variety, said to be remarkably productive and profitable. Pk., 30c.; Bu., 90c.; 10 bu., \$8.50.

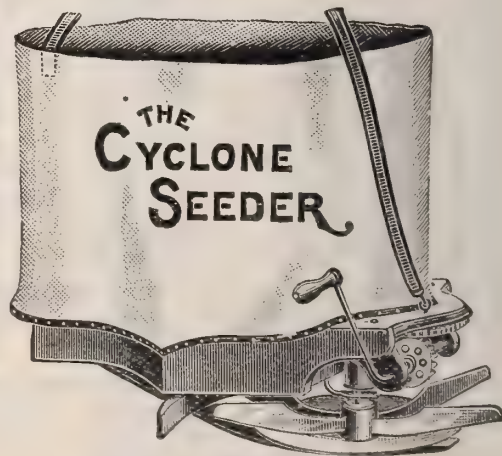
**BIG FOUR OATS.** Pk., 30c.; Bu., 75c.; 10 bu., \$6.50.

**EARLY CHAMPION.** Has comparatively short straw, matures a week to ten days earlier than other kinds, thus largely escaping the liability to rust. Its greatest value lies in its special adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor *Wallace's Farmer*, says: "I would rather risk sowing grass seed with them than any other variety I know of." Pk., 35c.; Bu., \$1.00; 10 bu., \$9.00.



## THE CHICAGO FIDDLE BOW SEEDER.

The most economical low-priced seed sower on the market; thousands of them in use. Each, 90c. See also page 109.



## THE CYCLONE SEEDER.

The most economical crank seeder. Does splendid work; in use everywhere. Each, \$1.50. See also page 109.



Pasture mixtures listed at bottom of page 73. We make special mixtures to suit any locality. Write for prices.

## GRASS SEEDS

Any grass, fodder or forage plant you want, and do not find quoted, write for.



ITALIAN RYE GRASS.



ENGLISH RYE GRASS.



ORCHARD GRASS.



HARD FESCUE GRASS.



KENTUCKY BLUE GRASS.

**PLEASE NOTE** That all Grass Seeds, Clovers, etc., are now priced by the pound and hundred pounds instead of by the bushel. Freight charges and express charges to be paid by purchaser. The prices quoted are those ruling at this date, January 1, 1904, and are subject to change. Market price given upon application.

### STANDARD LIST OF NATURAL GRASSES.

**RED TOP.** (*Agrostis Vulgaris*.) A valuable grass for moist soils and low lands. It is a good, permanent grass, standing our climate as well as any other, and consequently well suited to our pastures, in which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On moist, rich soil it will grow two feet, and on poor, gravelly soil about half that height. Fourteen-pound bushel.

**SOLID SEED, BEST GRADE,** lb., 25c, 3 lbs., 60c, postpaid. By express or freight, 10 lbs., \$1.50, 100 lbs., \$8.50.

**CHAFF SEED,** lb., 20c, 3 lbs., 50c, postpaid. By express or freight, 10 lbs., 75c, 100 lbs., \$3.50.

**TIMOTHY.** (*Phleum Pratense*.) This is decidedly the best grass for hay, making a large return on strong, rich clay, of medium state of moisture. Lb., 20c, 3½ lbs., 50c, postpaid. By express or freight, 45 lbs., \$2.00; 100 lbs., \$3.25.

**ITALIAN RYE GRASS.** (*Lolium Italicum*.) A valuable European variety, adapted to any climate, and produces large and nutritive crops. Eighteen-pound bushel. Lb., 18c, by mail. 100 lbs., \$6.50

**ENGLISH RYE GRASS.** (*Lolium Perenne*.) A very nutritious, rapid growing variety, valuable for meadows and pastures. Twenty-four-pound bushel. Lb., 18c, by mail. 100 lbs., \$5.50.

**CREeping BENT.** (*Agrostis Stolonifera*.) An excellent variety for lawns or pastures; succeeds well in damp soils. Lb., 25c.

**TALL MEADOW OAT GRASS.** (*Avena Elatior*.) This produces an abundant supply of foliage, and is valuable for pasturage on account of its early and luxuriant growth. It is recommended for hay, and shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop. Lb., 35c, by mail. 10 lbs., \$2.25, by express.

**SWEET VERNAL GRASS.** (*Anthoxanthum Odoratum*.) This grass yields but a moderate percentage of herbage. It is remarkable for giving out a pleasant, sweet smell during the process of drying, and it is to the presence of this grass that hay from natural meadows owes its peculiar fragrance. Permanent pastures should not be sown without a portion of this grass. Lb., 35c, by mail, 10 lbs., \$2.25, by express.

**KENTUCKY BLUE GRASS.** (*Poa Pratensis*.) This is known in some sections as "Green Meadow Grass" and "June Grass," but should not be confounded with "*Poa Compressa*," called by some "June, or Wire Grass." It is the best pasture for our climate and soil, succeeding finely on hill lands and producing the most nourishing food for cattle, retains its qualities to a late period in winter, and, further south, affording abundant food throughout the winter. Sow early in the spring or during the months of October and November. Fancy clean seed. Lb., 20c, by mail. 100 lbs., \$9.00.

**HARD FESCUE.** (*Festuca Duriuscula*.) Similar to Sheep's Fescue, but not so dense, and growing somewhat taller. This often will cover sandy soil under the shade of large trees where no other grass will grow. Is a desirable addition to lawn grass. Sow thirty pounds per acre. Lb., 30c, 100 lbs., \$8.50.

**ORCHARD GRASS, OR ROUGH COCKSFOOT.** (*Dactylis Glomeralata*.) This is one of the most valuable and widely known of all pasture grasses, coming earlier in the spring and remaining later in the autumn than any other. It grows about two and a half feet high, producing an immense quantity of leaves and foliage. Blooms with red clover, making with it an admirable hay. It is well adapted for sowing under trees or orchards, and very valuable either for grazing or for hay. Fourteen pounds to bushel; two bushels to acre. Lb., 25c, 100 lbs., \$11.00.

**MEADOW FESCUE, OR ENGLISH BLUE GRASS.** (*Festuca Pratensis*.) A perennial grass from two to four feet high, with flat, broad leaves. This is one of the standard European grasses. It needs rich ground, and succeeds well on prairie soil. This is an excellent pasture grass to take the place of wild grasses, as it yields a large amount of early and late feed. Sow about twenty-five pounds per acre. Lb., 30c, 100 lbs., \$6.50.

**SHEEP'S FESCUE.** (*Festuca Ovina*.) A small, tufted, hardy grass, forming a cluster of narrow, cylindrical leaves, of value in mixture for lawns or dry soils and under shade. Sow about thirty-five pounds per acre. Lb., 30c, 100 lbs., \$8.50.

**TALL FESCUE.** (*Festuca Elatior*.) A valuable perennial grass, very productive and nutritious. It is native to moist, heavy soil, where it probably does best, but it succeeds well on any good soil, wet or dry. If used alone, sow forty pounds per acre. Lb., 35c, 100 lbs., \$27.00.



## GRASS SEEDS—Continued.

**Wood Meadow Grass** (*Poa Nemoralis*.) Grows from one and one-half to two feet high; has a perennial creeping root, and an erect, slender, smooth stem. One of the best varieties to sow in shaded situations, such as orchards and parks, for either hay or pasture. Sow about thirty pounds to the acre. **Lb., 50c; 100 lbs., \$30 00**

**Creeping Bent, Grass** (*Agrostis Stolonifera*.) Particularly valuable for lawns that are to be used as croquet and tennis grounds; because it is benefited more than hurt by tramping, and by its bright color adds to the beauty of the lawn. **Lb., 40c; 100 lbs., \$20.00**

**Meadow Foxtail** (*Alopecurus Pratensis*.) An erect perennial, in appearance slightly resembling timothy. Valuable for permanent pastures, and does best on good moderately moist soil. If sown alone, use twenty-five pounds per acre. **Lb., 50c; 100 lbs., \$30.00**

**Rough Stalked Meadow** (*Poa Trivialis*.) A strong growing, hardy grass, well suited for deep, moist soils, but of little value on soil which is poor or dry. Sow about twenty pounds per acre. **Lb., 50c; 100 lbs., \$30.00**



Meadow Fescue.



Sheep's Fescue.

## CLOVER SEEDS.



Alsike, or Swedish Clover.



Red Clover.



White Dutch Clover.



Scarlet Clover.



Lucerne, or Alfalfa.



Red Top.



Meadow Foxtail.

**CLOVER SEEDS.** The prices on Clovers constantly change, and it is always best to write for latest market price previous to ordering. But to customers at a distance, who cannot lose the time required to do this, we will say if prices are lower they will get the benefit, and if prices are higher we will ship all that the money sent will pay for. THESE PRICES ARE THOSE RULING JANUARY 1, 1904, AND ARE SUBJECT TO CHANGE.

**Medium Red or June** (*Trifolium Pratense*.) This is by far the most important of all varieties, for the practical purpose of agriculture. Sow in spring or fall, and when no other grasses are used, at the rate of eight or ten pounds per acre, more being required on old, stiff soils than on new and lighter ones. Sixty pounds per bushel. **Lb., 20c, postpaid; 100 lbs., \$10.50**

**Mammoth or Large Red** (*Trifolium Pratense*.) It grows five or six feet high, but its stalks are so coarse and large that stock will eat only the leaves. By its judicious use lands which have been exhausted may be reclaimed, as it will grow where the common clover will fail. Sow at the rate of about eight pounds per acre. Sixty pounds per bushel. **Lb., 25c, postpaid; 100 lbs., \$10.50**

**White Dutch** (*Trifolium Ripens*.) A small, creeping, spreading, perennial variety, valuable for pasture and lawns. It accommodates itself to a variety of soils, but prefers moist ground. In conjunction with Blue Grass it forms the most nutritious food for sheep or cows. Sow in spring at the rate of six pounds per acre, or when used with other grasses half that amount will be sufficient. **Lb., postpaid, 40c; 3 lbs., \$1.00 100 lbs., \$16.00**

**Alsike or Swedish** (*Trifolium Hybridum*.) This valuable variety is fast gaining great popularity. It is the most hearty of all the clovers: perennial. On rich, moist soils it yields an enormous quantity of hay or pasture, and may be cut several times in a season, but its greatest value is for sowing with other clovers and grasses, as it forms a thick bottom and greatly increases

the yield of hay, and cattle prefer it to any other forage. Sow in spring or fall at the rate of six pounds per acre, where used alone. Sixty pounds per bushel.

**Lb., postpaid, 35c; 3 lbs., \$1.00; 100 lbs., \$10.50**

**Alfalfa or Lucerne** (*Medicago Sativa*.) One of the best varieties, succeeding in almost every situation and bearing heavy crops of forage. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down fully three feet into the earth. Sow early in spring to secure a good stand before winter, if to be used for pasture or for curing. **Lb., postpaid, 30c**

**10 lbs., by Express, \$1.50; 100 lbs., \$12.50**

**Crimson or Scarlet Clover.** It can be seeded at any time from June to October, at the rate of fifteen to twenty pounds per acre, and makes the earliest possible spring pasture, blooming the latter part of April or May and for feeding, as hay should be cut just before coming into full bloom. If sown with Italian Rye Grass or Orchard Grass which matures at the same time, it yields luxuriant and nutritious crops for pasture. Sow Crimson Clover at the last working of all crops like beans, corn, melons, cucumbers, tomatoes and other crops, whenever the land is not intended for such early spring crops as would not be benefited by following such a seeding, although it would pay to seed for only fall and winter months, if only for protecting the ground through the winter and catching and holding the fertility of the soil, which would otherwise be lost by leaching or other causes. **100 lbs., \$5.50**

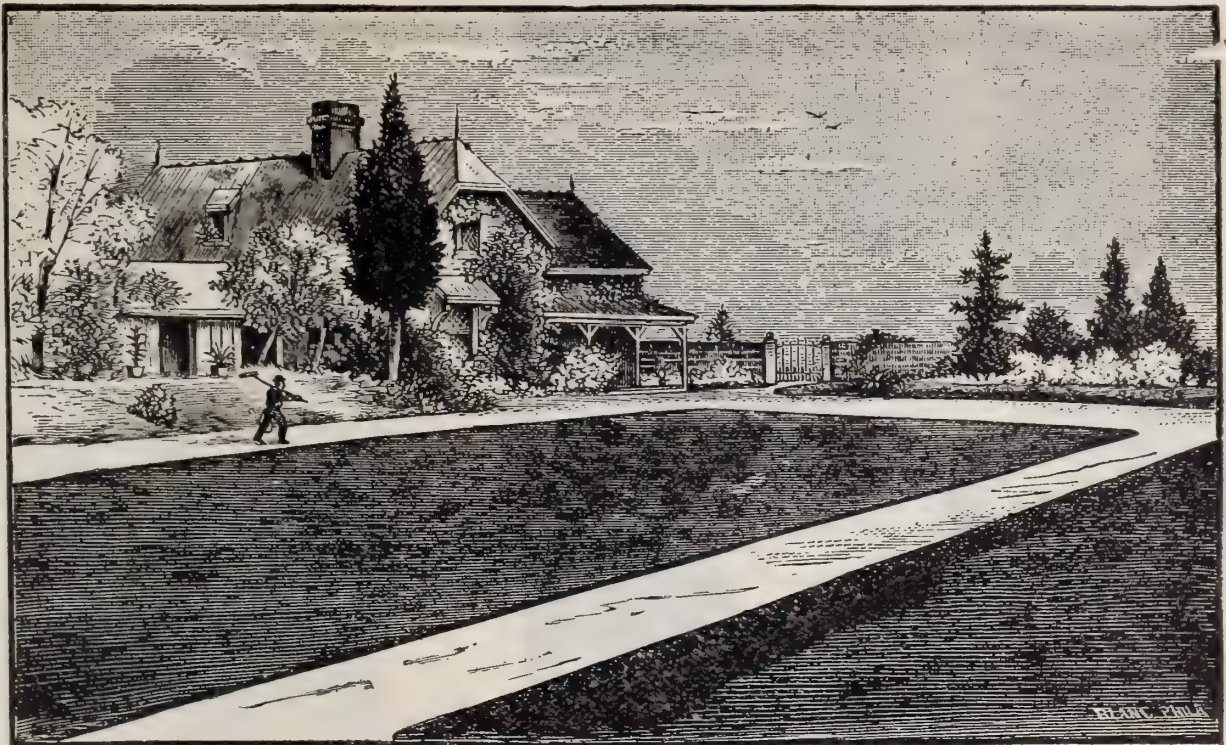


# LEONARD'S LAWN GRASS MIXTURES.

Fine lawns can only be made by using the best grade of grasses. The proper blending to give satisfactory result needs the study of years. Among some of the most beautiful lawns of Chicago and its suburbs are those sown with Leonard's special mixtures.

## CHICAGO PARKS LAWN GRASS.

This popular Mixture in all cases gives good satisfaction. A pound of seed will sow about twenty feet square. Price, per lb., 30c.; 3½ lbs., \$1.00 postpaid. Sold over our counters, or sent by Express or Freight at Buyer's expense., lb., 20c., 6 lbs., \$1.00, 10 lbs., \$1.75, 100 lbs., \$15.00.



## GOOD LAWN MIXTURE.

For an ordinary yard, where a cheaper mixture is deemed sufficient, we recommend this Grass Seed. There is a great demand in cities (where invariably the grass is trodden off each winter), for just such a mixture, and to meet this demand we offer this at a low price, per lb., 25c., 3 lbs., 60c., postpaid. Sold over our counters or by Express or Freight at Buyer's expense, lb., 15c., 10 lbs., \$1.25

## LEONARD'S EVERGREEN LAWN GRASS.

This mixture contains many grasses which are not in the Chicago Parks Lawn Grass and although the latter is well and favorably known, this will be found a much better one.

With slight variations, it can be prepared to suit light, medium or heavy soils, and when wanted for Croquet Ground or Tennis Court those grasses which produce a firm turf can be used more liberally. Lb., 35c., 3 lbs., \$1.00, postpaid. Sold over our counters or sent by Express or Freight, at Buyer's expense; lb., 25c., 5 lbs., \$1.00, 10 lbs., \$1.85, 100 lbs., \$16.00.

## GOLF LINKS MIXTURES.

There is no use to which a grass mixture is put that is so exacting as that used for pleasure grounds, golf links, etc. No other turf is required to stand such wear and rough usage; hence the necessity of sowing such grasses as will produce a thick and healthy growth, and withstand the tramping of many feet.

**FOR THE PUTTING GREEN.** Specially prepared; sold over our counters or by express or freight at buyer's expense; lb., 20c., 5 lbs., 90c., 10 lbs., \$1.75, 25 lbs., \$4.00, 100 lbs., \$15.00.

**FOR THE LINKS.** Specially prepared; sold over our counters or sent by express or freight at buyer's expense; lb., 20c., 5 lbs., 90c., 10 lbs., \$1.75, 25 lbs., \$4.00, 100 lbs., \$16.00.

## GRASS SEED MIXTURES FOR MEADOW AND PASTURE.

For every different kind and condition of soil there is a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather, others prefer plenty of moisture. Some mature so early, and others so late, that from the beginning of spring until winter sets in, there is no time when one species or another is not at its best.

Successful farmers recommend heavy seeding. The quantity that should be sown per acre depends upon the location and nature of the soil. There is a wide difference of opinion on this subject and the actual quantity of seed necessary should be determined by some one conversant with the local situation.

*A good authority recommends the following formulas for the different classes of soils:*

## MEADOW OR PASTURE MIXTURES FOR ONE ACRE.

### No. 1.—On Good Land Neither too Dry nor too Wet.

3 lbs. red top, 1 lb. meadow foxtail, ½ lb. perennial sweet vernal, 2 lbs. tall meadow oat grass, 3 lbs. orchard grass, 1 lb. hard fescue, 1 lb. sheep's fescue, 2 lbs. perennial rye grass, 15 lbs. timothy, 1 lb. red clover, ½ lb. alsike clover. A total of 30 lbs. Price, \$4.25.

### No. 2.—For High and Dry Land.

3 lbs. red top, 4 lbs. tall meadow oat grass, 2 lbs. meadow brome grass, ½ lb. crested dog's tail, 5 lbs. orchard grass, 1 lb.

hard fescue, 1 lb. sheep's fescue, 1 lb. meadow soft grass, 10 lbs. Timothy, 1 lb. rough stalk meadow grass, 1 lb. red clover, ½ lb. white clover. A total of 30 lbs. Price, \$5.00.

### No. 3.—On Wet Late Land.

4 lbs. red top, 2½ lbs. creeping bent, 4 lbs. orchard grass, 2 lbs. tall meadow oat grass, 1 lb. meadow fescue, 1 lb. tall fescue, 1 lb. meadow soft grass, 3 lbs. perennial rye grass, 10 lbs., Timothy, 1 lb. red clover, ½ lb. alsike clover. A total of 30 lbs. Price, \$4.50.

## PASTURE MIXTURE OF GRASSES FOR ONE ACRE.

### No. 4.—On Good Land Neither too Wet nor too Dry.

2 lbs. tall meadow oat grass, 2 lbs. red top, ½ lb. perennial sweet vernal, 4 lbs. orchard grass, 2 lbs. sheep's fescue, 1 lb. hard fescue, 1 lb. meadow soft grass, 3 lbs. perennial rye grass, 1 lb. meadow foxtail, 5 lbs. Kentucky blue grass, 6 lbs. timothy, ½ lb. yellow trefoil, 1 lb. red clover, 1 lb. white clover. A total of 30 lbs. Price, \$5.25.

### No. 5.—On Dry Land.

2 lbs. creeping bent grass, 3½ lbs. tall meadow oat grass, 1 lb. meadow brome grass, 3 lbs. orchard grass, 1 lb. hard fescue, 3

lbs. sheep's fescue, ½ lb. perennial sweet vernal, 6 lbs. Timothy, 3 lbs. perennial rye grass, 2 lbs. field burnet, 3 lbs. sainfoin, 1 lb. red clover, 1 lb. white clover. A total of 30 lbs. Price, \$5.25.

### No. 6.—On Wet Land.

3 lbs. red top, 3 lbs. orchard grass, 1 lb. meadow fescue, 1 lb. tall fescue, 1 lb. meadow soft grass, 3 lbs. perennial rye grass, 1 lb. meadow foxtail, 8 lbs. Timothy, 1 lb. rough stalk meadow grass, 6 lbs. Kentucky blue grass, 1 lb. alsike clover, 1 lb. white clover. A total of 30 lbs. Price, \$5.00.



## SUMMER FLOWERING BULBS.

### BEGONIAS.

(TUBEROUS ROOTED.)

The tubers which we offer are of the very best quality, and with proper care will give a beautiful display early in the summer. For growing in pots or boxes in the house, plant in rich, sandy soil, give good drainage and water freely after the leaves start, but do not let the soil become sour or soggy from over-watering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly rotted manure and leaf mold, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth, keep well watered.

Single.	Each.	Doz.	Double.	Each.	Doz.
Pink,	7c.	75c.	Pink,	15c.	\$1.50
Scarlet,	7c.	75c.	Scarlet,	15c.	1.50
White,	7c.	75c.	White,	15c.	1.50
Yellow,	7c.	75c.	Yellow,	15c.	1.50
Mixed,	7c.	70c.	Mixed,	10c.	1.00

### AMARYLLIS.

(JACOBEEAN LILY.)

**Formosissima.** Each of the five narrow petals of this flower is 3 to 4 inches long, and a very intense, rich scarlet color of unequaled brilliancy, vividness and purity.

The plants are easily grown, and although the bulbs are not hardy they can be easily preserved during the winter in a dry cellar, and planted in the open ground in the spring. They may be grown in winter like hyacinths. Each, 15c.; per doz., \$1.25.

**Johnsonii.** A very large flower of a rich, scarlet or crimson color striped with white. It is an extra fine variety. Each, 30c.

### SPOTTED LEAF CALLA.

Dark green leaves, beautifully spotted with white; the flowers are white with a purple throat. Each, 20c.

### GIANT SUMMER HYACINTH.

(*Hyacinthus Candicans.*)

Luxuriant, free growing, summer flowering plant, spreading 2 to 3 feet, throwing up great, tall spikes 4 to 5 feet in height, each bearing 20 to 30 large, white bell shaped flowers; of easiest culture and splendid for groups. Each, 5c.; per doz., 50c.

### DAHLIA.

The dahlia has always been a favorite for autumn flowering. The flowers are so symmetrical and perfect, and the range of colors so large and varied that they will always be popular where display is wanted. The roots are tender and easily injured by frost; they should be set out 3 feet apart, after all danger of frost is over, and during winter placed in a cool cellar, and not allowed to freeze. The plants should be supported by tying to stakes. Our collection of mixed dahlias is of the best, comprising all the positive colors, with their striking shades.

Double.	Each.	Doz.	Double.	Each.	Doz.
Pink,	10c.	\$1.00	Scarlet,	10c.	\$1.00
White,	10c.	1.00	Yellow,	10c.	1.00
Mixed,	10c.	1.00			

### GLADIOLUS MIXTURES.

	Each.	Doz.
Extra fine American hybrids, mixed.	5c.	40c.
Shades of pink, mixed.	4c.	40c.
Shades of red, mixed.	4c.	35c.
Shades of yellow, mixed.	5c.	50c.
White and light varieties.	4c.	40c.
Striped and variegated, mixed.	5c.	50c.
Lemoine's butterfly varieties, mixed.	4c.	40c.



TUBEROUS BEGONIAS.

### LARGE FLOWERING CANNAS.

(BEST STANDARD SORTS.)

**Alphonse Bouvier.** Large, brilliant scarlet. Rich and velvety.

**Alsace.** Very light, sulphur yellow changing to clear white.

**Austria.** The golden lily-flowered canna flowers, immense.

**Burbank.** Rich canary yellow, with carmine spots in the throat.

**Chicago.** Very showy. Brilliant orange scarlet. Free bloomer.

**Egandale.** Foliage dark greenish maroon. Flowers bright cherry.

**Florence Vaughn.** Flowers large brilliant yellow, spotted scarlet.

**Italia.** The orchid-flowered canna.

**Mme. Crozy.** Scarlet, with a golden edge. A very popular sort.

**Philadelphia.** A bright glowing crimson. Rich and velvety. Early bloomer.

**President Cleveland.** Immense trusses. Flowers orange scarlet, and very large.

**Queen Charlotte.** Orange scarlet, with a very broad golden yellow edge.

**Any Variety.** Each, 10c.; per doz., \$1.00.

### CRINUM KIRKII.

This magnificent variety produces flowers of the greatest beauty. Usually two flower stalks of dark purplish color are sent up at the same time, each bearing a large umbel composed of a dozen or more enormous lily-like flowers of wondrous beauty and fragrance. The petals are broad and pure white, with a deep reddish purple stripe through the centre. Extra large bulbs. Each, 50c.



## HARDY CLIMBERS.

### AMPELOPSIS.

**Veitchii.** (*Boston or Japan Ivy.*) Probably no climber so generally used the last few years. The leaves of this full climber, resembling in shape the English ivy, overlap one another closely, changing in the fall to the most vivid autumnal tints—gold, purple and scarlet—remaining so until they drop. It clings to wood, stone or brick, painted or unpainted—requiring no other support than a smooth surface, to which it clings with tenacity. No buildings are considered too handsome to cover with this plant, and the most unsightly buildings are made picturesque by its use. Many city residences are covered with it, to which it lends an air of elegance. It preserves and enhances the beauty of the most intricate architectural outlines. Extra strong field grown plants, each, 20c.; by mail, 25c.

**Quinquifolia.** (*Virginia Creeper.*) Well known; leaves changing in fall to brilliant tints. Strong field grown plants, each, 20c.; by mail, 25c.

### ARISTOLOCHIA SIPHO.

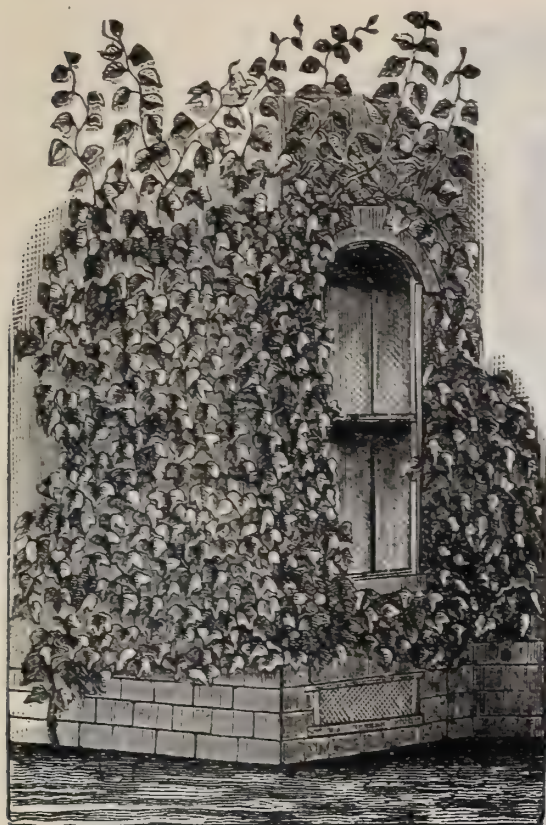
(DUTCHMAN'S PIPE.)

A rapid growing climber, bearing singular brownish colored flowers, resembling a pipe. The leaves are immense. For arbors or for making a screen, it is invaluable. Attains a height of 20 feet. Extra strong field grown plants, each, 40c., by express.

### BIGNONIA GRANDIFLORA.

(MAMMOTH FLOWERED TRUMPET CREEPER.)

A splendid hardy climbing plant, producing in large clusters, large, trumpet shaped, orange scarlet flowers, about three inches long. It is very beautiful, and always attracts great attention. Extra strong field grown plants, each, 35c., by express.



AMPELOPSIS VEITCHII.

### HYBRID LARGE FLOWERED CLEMATIS.

Without exception the finest climbers we have, blooming through the greater part of summer and fall. The flowers are from four to six inches across, and from their graceful contour resemble huge butterflies hovering among the green leaves. A plant in full bloom is one of the most conspicuous and beautiful objects, and one that invariably attracts attention. The support on which they are allowed to grow should be durable and permanent, wire netting being the best support for this purpose.

**Jackmanni.** The best known of the fine perpetual clematis. Blooms from July to October. Flowers intense violet purple, remarkable for their velvety richness.

**Jackmanni alba.** White; strong grower.

**Hybrida Sieboldi.** Silvery lavender, a most beautiful shade.

**Henryi.** Commences to bloom in June. Its first bloom is immense, after which it blooms at intervals during the whole season. Rich creamy white.

**Duchess of Edinburgh.** Double white. Extra strong field grown plants. Each, 50c. by mail.

### FRAGRANT AND SMALL FLOWERED CLEMATIS.

**Paniculata.** A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of medium size, pure white, borne in immense sheets and of a most delicious and penetrating fragrance. The flowers appear in September, at a season when few other vines are in bloom. Each, 25c.

**Coccinea.** Bell shaped flowers, bright coral red; blooms from June until frost. A rapid grower; very free bloomer. Each, 25c.

**Crispa.** Fine, deep blue, with a white border. and deliciously fragrant. Each, 25c. by mail.

### CINNAMON VINE.

A very pretty vine to train around the window or on a trellis. In midsummer the plant is covered with a brilliant, glossy foliage and an abundance of fragrant flowers. It is also an exceedingly quick grower, having been known to attain a height of twenty feet in one season. Each, 5c.; by mail, 10c.

### HONEYSUCKLES.

(*Loniceras.*)

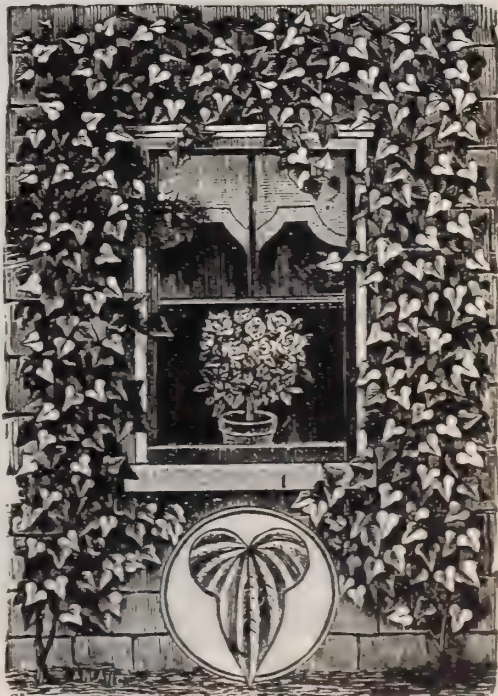
**Sweet Scented Monthly.** (*Belgica.*) This is one of the most satisfactory of honeysuckles, producing continuously large trusses of very fine, fragrant flowers, red and yellow in color. Large plants, each, 35c., by express.

### WISTARIAS.

Elegant climbers, grand for walls, which from their vigorous growth, they soon cover. Flowers are borne in long, pendent clusters.

**Alba.** Flowers white, in drooping racemes. Large plants. Each, 35c., by express.

**Magnifica.** Dense clusters of purple lilac flowers. Plants, each, 50c., by express.



CINNAMON VINE.



It has been  
-this beaut-

## 1 Perpetual

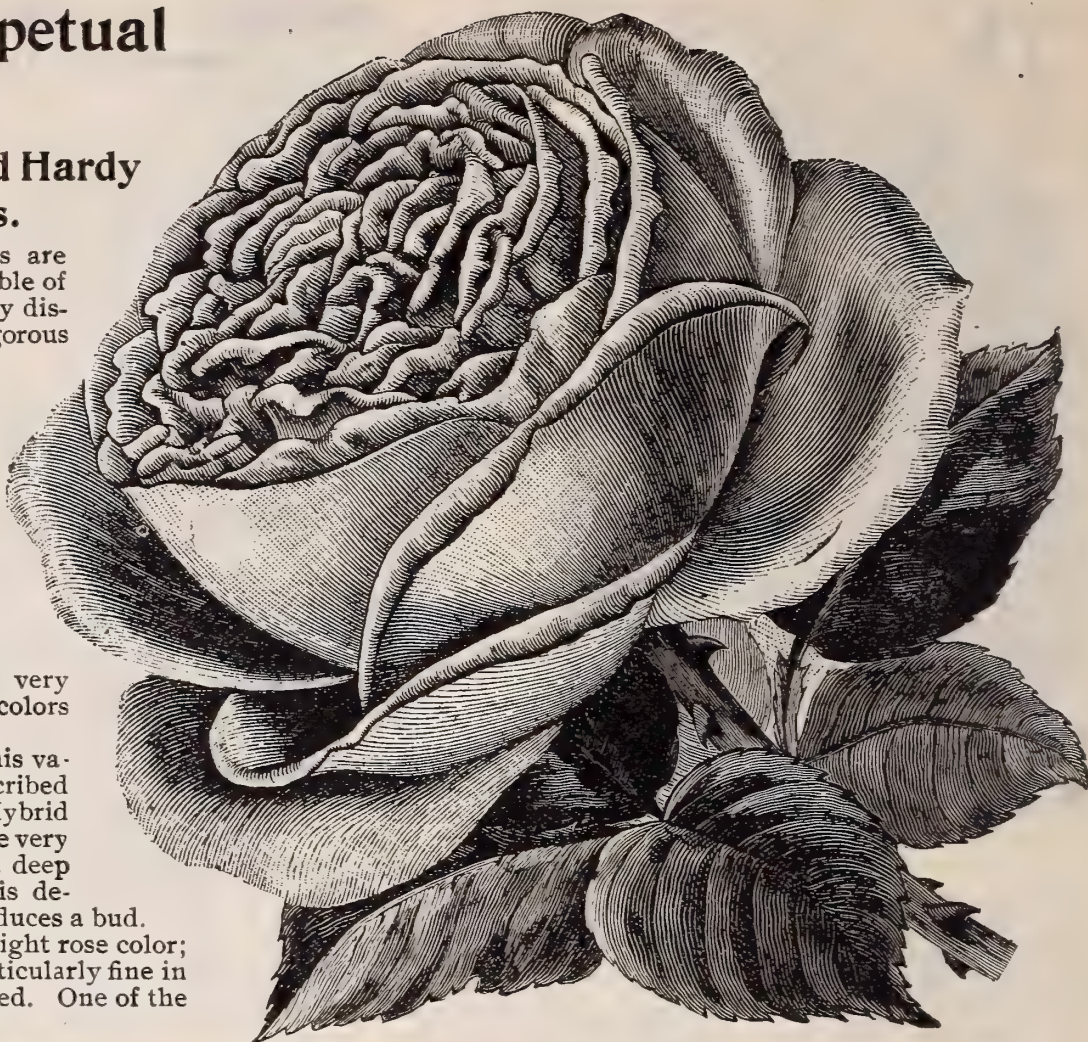
St.  **oses.**

### Most Popular and Hardy of all Roses.

The Hybrid Perpetuals are considered the most valuable of all roses. They are chiefly distinguished for their vigorous growth and fine, large flowers, and for being entirely hardy. They are particularly valuable for permanent beds or borders. Many of them flower the entire summer; others flowering through the month of June and again in August and September. The flowers are large, often measuring 5 to 6 inches in diameter; very fragrant and of all the colors known to the rose.

**American Beauty.** This variety has been rightly described as an ever-blooming Hybrid Perpetual. The flowers are very large and double; color, a deep rich rose. The fragrance is delightful. Each shoot produces a bud.

**Anna de Diesbach.** Bright rose color; very large and showy, particularly fine in bud, flowers slightly cupped. One of the best.



MRS. JOHN LAING.

**Baroness Rothschild.** The most beautiful of all roses. Lovely shade of pink, delightfully perfumed.

**Ball of Snow.** (*Boule de Neige*.) Rose of large size, perfectly double, fragrant, pure white, entirely hardy.

**General Jacqueminot.** Rich, velvety crimson, changing to scarlet crimson. A magnificent rose, equally beautiful in the bud state or open. This is the best known of all Hardy Perpetuals, and is without a rival in fragrance and richness of color.

**John Hopper.** One of the most reliable and satisfactory roses. Flowers large, regular and full. Color, brilliant rose, shaded with rich crimson. Very sweet, profuse bloomer.

**Mabel Morrison.** Petals thick and of a very soft, smooth texture, shell shaped, very double and rounded in form, of the purest white.

**General Washington.** This splendid rose is one of the best. Color bright, shining crimson, flowers large and perfectly double. Blooms almost constantly.

**Mrs. John Laing.** This rose for outdoor planting is undoubtedly the finest rose introduced for many years. Color a beautiful soft pink, with most delicious fragrance, very double and of large size. The best pink.

**Mme. Plantier.** The plant grows in a very fine bushy form, and produces its white flowers in great abundance in June. Especially desirable for cemetery decoration.

**Perle des Blancs.** A finely formed pure white rose. Beautiful shell-shaped petals, evenly arranged.

**Paul Neyron.** Deep, shining pink. Flowers often five inches in diameter. It is a good, strong grower, almost thornless.



GENERAL JACQUEMINOT.

**Large, Strong, Hardy Dormant Plants that will Bloom  
the First Season.**

Each, 25c., Doz.. \$2.50; Prepaid by Mail, Each, 30c.



**MOSS ROSES.**

Highly prized for the beautiful buds, which appear to be covered with moss; highly scented.

**Blanche Moreau.** By far the best white moss rose. Long, pointed buds, beautifully mossed.

**Glory of Mosses.** The best pink moss. Large buds, clear pink and covered with moss.

**Strong dormant plants.** Each, 25c.; by mail, 30c.

**HARDY CLIMBING ROSES.**

**Crimson Rambler.** Nothing equals this as an all-round hardy garden rose, on account of its brilliant color, profusion with which it blooms, and the length of time the flowers last. It may be used as a climber or can be grown in large bush form—in fact, its uses are almost endless. It blooms in large clusters of 50 to 100 flowers in a cluster, covering the foliage its entire length with a solid mass of the most beautiful perfectly shaped miniature crimson blossoms. No description can give an adequate idea of its beauty. It begins to bloom about the middle of June, and remains in flower longer than any other hardy outdoor rose.

**Pink Rambler.** A lovely, climbing rose, very similar to Crimson Rambler, but flowers are a light, delicate pink, or blush—intermediate in color between White Rambler and Dawson—and about as large as a 25c. piece. Blooms before Crimson Rambler in immense clusters like that variety, and is almost equally showy and valuable. A grand variety.

**White Rambler.** Pure snowy white. Flowers same size as Multiflora Japonica, but instead of being single, are double. Blooms at same time as Yellow Rambler.

**Yellow Rambler.** Bud beautiful bright yellow, opening straw color, fading to a beautiful creamy white. Blooms early, before Crimson Rambler.

**Any variety** each, 35c., by express.



**GLORY OF MOSSES.**

**HARDY CLIMBING ROSES.**

(THE OLD FAVORITES.)

**Baltimore Belle.** Will grow 15 feet in one year, and be covered with clusters of large double flowers. Blush color, turning to white.

**Prairie Queen.** A general favorite. Color bright red, changing to a deep pink as the flower opens.

**Seven Sisters.** A rapid climber. Flowers in clusters of seven. Color variegated white and crimson.

**Any variety of climbing rose,** each, 35c., by express.

**ENGLISH SWEET BRIAR ROSES.**

Highly prized on account of the delightful fragrance of their leaves and young branches. Strong two-year-old bushes. Each, 25c., by express.

**HARDY PAEONIES.**

These plants are perfectly hardy anywhere. Grand old favorites. The flowers are well adapted for cutting. For a brilliant display in May or June nothing can equal them.

**Roots, pink, white, crimson or rose.** Each, 25c.

**CALADIUM ESCULENTUM.**

(ELEPHANT'S EAR.)

Grand, tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Height, four to five feet.

**Small Size,** each, 7c. **Medium Size,** each, 15c. **Large Size,** each, 25c.



**BALTIMORE BELLE.**

ALL BULBS AND PLANTS SENT FREE BY MAIL AT CATALOGUE PRICES. WHERE THE PLANTS ARE QUOTED BY EXPRESS ONLY, THEY ARE TOO LARGE FOR MAILING.



# FLOWER SEEDS

## COMPLETE GENERAL LIST.

### ABRONIA.

Charming trailer, with verbena-like, sweet scented flowers blooming through the season.

**Umbellata.** Rosy lilac, with white eye. Pkt., 5c.

### ALYSSUM.

**Sweet.** Flowers pure white in racemes. Nice for all kinds of small bouquets. They have a peculiar delicate fragrance. Pkt., 5c.

**Tom Thumb.** (Compactum Erectum, or Little Gem.) A fine dwarf sort, suitable for low beds, edgings, borders, etc., growing only three to four inches in height. Pkt., 5c.



### ALYSSUM.

**Golden.** (Saxatile.) Flowers golden yellow; desirable for rock work; showy in masses. Hardy perennial. Height one foot. Pkt., 5c.

### ADLUMIA.

(Mountain Fringe or Alleghany Vine.)

A charming plant flowering the first season, of graceful habit and pale green feathery foliage, fifteen feet.

**Cirrhusa.** Clusters of small rosy lilac flowers. Pkt., 5c.

### AGERATUM.

Annuals bearing a profusion of clusters of feathery flowers. Excellent for cut flowers and planting in borders, window boxes, etc., or wherever a small plant is desired.

**Mexicanum,** light blue. Pkt., 5c.

**Imperial Dwarf,** white. Pkt., 5c.

**All Colors,** mixed. Pkt., 5c.



AGERATUM.

### AMARANTHUS.

Beautiful foliage plants. Fine for massing where striking contrasts in color are desired. Rapid growth and easy culture. No good for pot plants.

**Tricolor.** Leaves yellow, red and green. Also known as Joseph's Coat. Pkt., 5c.

**Salicifolius.** (Fountain Plant.) Gracefully drooping willow shaped leaves. Orange, carmine and bronze. Pkt., 5c.

**Melancholicus Ruber.** Blood red foliage. Pkt., 5c.

### AURICULA.

Tender perennials. Also called French Cowslips. An old garden favorite.

**Alpine.** Most hardy. Pkt., 10c.

### ANTIRRHINUM OR SNAP DRAGON.

An old garden favorite with odd shaped flowers and pretty spotted throats. Or easy culture, and yield a fine abundance of pretty flowers.

**Tall Mixed.** All colors. Pkt., 5c.

**Tom Thumb.** Many colors and markings. Pkt., 5c.

### AQUILEGIA.

(Columbine.)

Beautiful, curiously formed, various-tinted flowers. Bloom early in the spring and fall. Hardy perennial.

**Double Mixed.** Pkt., 5c.

### ADONIS.

(Flos Adonis.)

Also known as Pheasant's Eye. Showy, hardy annuals of easy culture. Foliage pretty finely cut. Last a long time in bloom. Dark crimson flowers, with a light center. One foot. Pkt., 5c.

### ACROCLINIUM.

One of the most beautiful everlastings, bearing great quantities of bright pink and white daisy-like flowers, with a yellow center.

**Double Flowering,** mixed. Pkt., 5c.



AURICULA.



## ASTERS.

**Victoria.** The best and handsomest variety for size, color and form. The profusion of bloom is enormous. Flowers very double, and 4 inches across.

**White.** Pkt., 10c.

**Carmine.** Pkt., 10c.

**Rose.** Pkt., 10c.

**Lavender.** Pkt., 10c.

**All Colors, mixed.** Pkt., 10c.

**Giant Comet.** Flowers immense in size, often six inches across, composed of long, narrow, wavy, twisted petals, gracefully formed into loose, densely double flowers.

**White.** Pkt., 10c.

**Carmine.** Pkt., 10c.

**Rose.** Pkt., 10c.

**Lavender.** Pkt., 10c.

**Light Blue.** Pkt., 10c.

**Dark Blue.** Pkt., 10c.

**All Colors, mixed.** Pkt., 10c.

**Semples Branching.** Large plants that come into bloom quite late. Flowers are very large, and are often taken for chrysanthemums. Borne on exceedingly long stems, and are great favorites for florists.

**White.** Pkt., 10c.

**All Colors, mixed.** Pkt., 10c.

**Perfection.** Large compact plants, about 18 inches high and in flowering season are almost covered with large, fully double and perfectly shaped flowers.

**All Colors, mixed.** Pkt., 5c.

**Dwarf Bouquet.** Very dwarf and is fine for edgings.

**All Colors, mixed.** Pkt., 5c.

**Chrysanthemum.** Flowers large and late.

**All Colors, mixed.** Pkt., 5c.

**All Varieties and Colors, mixed.** Pkt., 5c.

## ASPARAGUS

## SPRENGERI.

One of the most graceful and beautiful of house plants, particularly valuable for hanging baskets. The sprays are from 3 to 4 feet long, and are of a light green color. Cuttings are very useful for bouquets, and keep green for weeks. The plant grows readily from seed if the latter be soaked in warm water before planting. As an outdoor variety it is a valuable addition to any garden. Pkt., 10c.



GIANT  
COMET  
ASTER.



BRACHYCOME.

**Double Camellia.** As double as a camellia, which it resembles; white, blotched with various colors. Pkt., 10c.

**Double Pure White.** Well adapted for florists, for bouquets; very double. Pkt., 10c.

**Double Red.** All shades of red. Pkt., 10c.

**Mixed Double Rose.** Has perfectly double, rose-like blossoms of almost every shade and color. Pkt., 5c.

**Mixed Double Tall.** About 2 feet high. Pkt., 5c.

## BRACHYCOME.

(SWAN RIVER DAISY.)

Produce on abundance of daisy-like flowers, about one foot high. Fine for edgings, beds or rustic baskets.

**Blue.** Pkt., 5c.

**White.** Pkt., 5c.

**Mixed.** Pkt., 5c.

## ASPERULA ODORATA.

(SWEET WOODRUFF.)

This charming little plant, which blooms in May and is a hardy perennial, delights in moist and shady situations and is used for border planting. Pkt., 5c.



VICTORIA  
ASTER.

## BALLOON VINE.

A rapid and graceful climber. Sometimes called: "Love in a Puff." Pkt., 5c.

## BARTONIA AUREA.

A pretty flowering plant, producing fine bright yellow blossoms. Pkt., 5c.

## BALSAM.

(LADY SLIPPERS.)

Balsams have been so greatly improved by cultivation that with proper treatment and good seed a single flower is the exception now rather than the rule. Hardy annual, 1 to 2 feet high.

**Double Solferino.** Satiny white, streaked and spotted with crimson and lilac. Very choice. Pkt., 5c.



**CHRYSANTHEMUM.**

Showy and effective garden favorites; extensively grown for cut flowers; beautiful large flowers of many rich colors, for bouquets, vases, etc., the flowers are very attractive.

**Coronarium. Double, white.** Pkt., 5c.

**Coronarium. Double, yellow.** Pkt., 5c.

**Mixed.** All colors. Pkt., 5c.

**Frutescens.** (Marguerite or Paris Daisy.) This variety, under the name of Marguerite, has attained great popularity among florists. The pretty star shaped white flowers are freely produced, and the plant will grow under almost any circumstances. Perennial. Pkt., 10c.

**CALCEOLARIA.**

A favorite and universally admired genus, remarkable for their large, beautifully spotted blossoms produced in almost countless variations of marking. They are grown in pots in the conservatory, greenhouse and garden. Herbaceous and also shrubby evergreen perennials.

**Hybrida grandiflora.** Flowers of immense size; seed saved from finest specimens. Pkt., 25c.

**CAMPANULA.**

(CANTERBURY BELL.)

Well known, hardy, herbaceous perennials, bearing a great profusion of attractive flowers

**Single Mixed.** Pkt., 5c.

**Double Mixed.** Pkt., 10c.

**CANNA.**

Highly ornamental, producing a rich effect by their large, massive foliage and gorgeous orange, crimson and yellow flowers.

**Crozy's Large Flowering Dwarf French, Finest Mixed.** Comprising all the newest and most beautiful varieties. Pkt., 5c.

**Choice Mixed.** Old sorts. Pkt., 5c.

**CANDYTUFT.**

Universally known and cultivated, and considered indispensable for cutting. Hardy and easy to cultivate.

**Empress or Snow Queen.** A complete mass of pure white flowers, borne on a candelabra shaped plant. Very large. Pkt., 5c.

**Fragrant.** White. Oz., 15c.; pkt., 5c.

**Crimson.** Fine. Oz., 20c.; pkt., 5c.

**Fine Mixed.** Oz., 15c.; pkt., 5c.

**CANARY BIRD FLOWER.**

Beautiful rapid growing climber, bearing little canary colored blossoms, bearing a fancied resemblance to a bird with its wings half expanded. Blooms all summer.

**Tropæolum Canariense.** Canary bird flower. Pkt., 5c.



CANDYTUFT. NEW EMPRESS.

**CATCH FLY.**

Small flowers; red, white, rose. A sticky moisture on the plant sometimes entraps flies; hence the name.

**Catch Fly.** (*Silene Armenia.*) Pkt., 5c.

**CALLIOPSIS OR COREOPSIS.**

Large bright flowers. Blooms all summer. Fine for cutting. Also called Bright Eyes.

**Calliopsis. Golden Wave.** Very compact bushy plants, covered with hundreds of bright yellow blossoms, two inches across. Pkt., 5c.

**Mixed.** All colors. Pkt., 5c.

**CARNATION.**

Popular favorites, which are deliciously fragrant; colors extremely rich and beautiful. The seed we offer is from the finest collection in Europe, and may be expected to produce something fine, although occasionally there will be found a few single flowers among them. Hardy; will not bloom until second season.

**Extra Choice Mixed.** Saved from the choicest double flowers. Pkt., 25c.



CALLIOPSIS. GOLDEN WAVE.





COSMOS, NEW MAMMOTH HYBRIDS.

**COSMOS.**

Some of the flowers in this new strain measure five inches across. The flowers are single, dahlia-like, and the colors, shades and markings are entirely unique in Cosmos.

<b>Mammoth Perfection</b> , mixed .....	Pkt. 10c.
<b>Large-Flowered</b> , white .....	" 5c.
" " pink .....	" 5c.
" " mixed .....	" 5c.

**CALENDULA.**

This has been a favorite for many years. Blooms from June until frost. If potted in the fall, and placed in a sunny window, will bloom all winter.

**Meteor.** Double, beautifully striped.....Pkt. 5c.

**Oriole.** The best Calendula known, extra large double flowers; are indescribable, rich and glowing in tone, bright golden yellow, wonderfully free flowering.....Pkt. 5c.

**All Colors**, mixed....." 5c.

**CASTOR OIL BEAN.**

See Ricinus.



CALENDULA ORIOLE.

**CENTAUREA CYANUS.**

(RAGGED SAILOR, CORN FLOWER OR BLUE BOTTLE.)

**Emperor William.** A dark variety that is very popular for cut flower growing, as it is the best color in this favorite flower. Color intense dark blue.....Pkt. 5c.

**Double Flowering.** A very interesting novelty; an improvement on this old favorite flower containing several colors not found in it heretofore. Half of the plants will come true from seed, forming more compact and fuller heads of semi-double flowers.....Pkt. 5c.

**Finest**, mixed....." 5c.

**CELOSIA OR COCKSCOMB.**

Free blooming, graceful plants, producing spikes of beautiful comb shaped flowers.

**President Thiers.** A very dwarf variety, with intense crimson flowers. The combs are large, ruffled, dark crimson, some measuring 17 inches across.....Pkt. 10c.

**Glasgow Prize.** Dwarf, large crimson comb....." 10c.

**Dwarf**, mixed. All colors....." 5c.



CENTAUREA CYANUS, DOUBLE FLOWERED.





CINERARIA.

## CINERARIA.

As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form. The plants grow about as broad as they are high—averaging fifteen inches—perfectly circular in shape, and entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of light and bright blue, to royal plum purple, and from shining crimson to deep maroon. Most of the varieties have a well defined white eye, while the flowers are sharply margined with some high contrasting color. For exhibiting at fairs or flower shows Cinerarias are unsurpassed for attractiveness. As the seed is easily started, and the plants readily grow in good ordinary soil, no collection of house plants should be without Cinerarias.

**Hybrida.** Large flowering, finest mixed. Flowers measuring two inches across. Per pkt., 25c.

## COLEUS.

Richly colored foliage plants. For groups on lawns or ribboning they are indispensable.

**Coleus Hybrids.** All colors. Per Pkt., 25c.

## COBAEA.

One of our most beautiful annual climbers. Grow from twenty to thirty feet high. Very desirable on account of its large size, rapid growth, fine foliage and large bell shaped flowers.

**Cobaea Scandens.** Large bell-shaped purple flowers. Flowers the first season. Pkt., 5c.

## CUCUMIS.

Very rapid and luxuriant growers. Extremely ornamental and picturesque for its fruit and foliage.

**Cucumis Flexuosus.** (*Snake Cucumber.*) Fruit three feet long. Pkt., 5c.

**Wild Cucumber.** The quickest growing climber. Sturdy growth and handsome appearance. Oz., 10c.; pkt., 5c.

## CARNATION.

**Margaret Mixed.** These carnations have created a universal sensation, not only on account of their beautiful colors, but, unlike all others, they bloom in about four months from sowing the seed. Bloom until checked by frost. Fully 80 per cent are double, and embrace a fine range of brilliant colors. Plants are neat, dwarf branching and compact.

**Choice Double Mixed.** Producing many double flowers of all shades and colors. Pkt., 10c.

## CONVOLVULUS MAJOR.

See Morning Glory.

## CONVOLVULUS MINOR.

Rich colored, handsome dwarf trailing plants, producing in bed a most brilliant effect.

**Dwarf Morning Glory.** All colors mixed. Oz., 10c.; pkt., 5c.

## COLUMBINE.

See Aquilegia.

## CYCLAMEN.

Well known and universally admired tuberous rooted plants, producing exceedingly handsome red and white flowers. Tender perennial; one foot high.

**Persicum Giganteum.** Finest mixed. Pkt., 15c.

## CYPRESS VINE.

Among our most beautiful climbing plants, dark green, very graceful, fern-like foliage, thickly studded with brilliant starry flowers.

**Mixed.** All colors, including new and attractive varieties. **White,** pkt., 5c. **Scarlet,** pkt., 5c.



MARGARET CARNATION.



**DAHLIA.**

Both the single and double strains of this magnificent race of plants may be had in the greatest variety and beauty from seed. If planted early and forced they can be made to flower the first season. Tender herbaceous perennials.

**Finest Double**, mixed. Seed saved from choicest double flowers. Pkt. 10c.

**Finest Single**, mixed. Brilliant flowers, running through a wide range of striking colors. Pkt. 5c.

For Dahlia roots, see "Bulbs and Roots."

**Gracilis**. The queen of single Dahlias. Brightest colors, striped and blotched in a most grotesque manner. Pkt. 10c.

**DATURA.**

(ANGEL'S TRUMPET.)

The Datura or Ghost Flower is a most interesting plant. It grows several feet high, and branches freely, producing trumpet shaped flowers a foot or more in length.

**Fastuosa**. All double. Mixed Colors. Pkt. 5c.

**Sweet Nightingale**. Flowers immense, pure white, fragrant. Free Bloomer. Pkt. 5c.

**DIGITALIS.**

(FOXGLOVE.)

Handsome plants of stately growth, especially adapted for shrubberies; hardy perennial. Mixed colors. Pkt. 5c.

**DELPHINIUM**. See Larkspur.

**DIANTHUS**. See Pink.

**ELICHRYSUM**. See Helichrysum.

**DEW PLANT**. See Mesembryanthemum.

**DIANTHUS BARBATUS**. See Sweet William.

**DAISY.**

Well known and charming early spring blooming plants, for edgings, etc., blooming with the Pansies. Daisies may be easily raised from seed, and had in bloom in a very short time. Flower from April to June.

**Double White**. Pure snowy white. Pkt. 10c.

**Longfellow**. A fine large flowering double Daisy, with dark rose colored flowers. Pkt. 10c.

**Snowball**. Large double white, fine for cutting. Pkt. 10c.

**Double**, mixed. Pkt. 5c.

**HESPERIS MATRONALIS**.

See Rocket.



DOUBLE DAISY.

**ESCHSCHOLTZIA,**

(CALIFORNIA POPPY.)

Very attractive plants for beds, edgings or masses. Very profuse in flowering, and foliage finely. Bloom from June till frost. Hardy annuals, one foot high.

**Eschscholtzia**, mixed. All colors, choice and bright. Pkt. 5c.

**DOLICHOS.**

(HYACINTH BEANS.)

Splendid climbers. Producing abundant clustered spikes of fragrant purple and white flowers, which are followed by exceedingly ornamental seed pods. Tender Annual; ten to twenty feet high.

**Purpurea**, purple. Pkt. 5c.; oz. 15c.

**Alba**, white. Pkt. 5c.; oz. 15c.

**Mixed**. The above mixed. pkt. 5c.; oz. 15c.

**EUPHORBIA.**

(SNOW ON THE MOUNTAIN.)

**Variegata**. Foliage is beautifully veined and margined with white. Pkt. 5c.

**EVERLASTINGS.**

See Helichrysum, Acroclinium, Rhodanthe, Globe Amaranth, Gypsophila and Xeranthemum.

**FORGET-ME-NOT.**

(MYOSOTIS.)

Neat and beautiful little plants, with pretty star-like flowers. Succeed best in a moist, shady place. Bloom first year, if sown early.

**Myosotis Palustris**. True blue. Pkt. 5c.

**Dissitiflora**. A beautiful sort of dwarf, compact habit, fairly covered with blue flowers. Pkt. 5c.

**FEVERFEW.**

(MATRICARIA.)

**Double White**. Has double pure white flowers, one-half inch in diameter, and produced in large clusters on a long stem. Fine for cutting and quite hardy. Pkt. 5c.



DAHLIA GRACILIS.



FORGET-ME-NOT.





GERANIUM.

## GERANIUM.

Plants raised from seed sown early in the spring are decorative in the summer. The gorgeous flowers are produced all summer, and for bedding or house culture they are very popular.

**Geranium Zonale, Mixed.** All colors. Pkt., 10c.

**Double, Mixed.** This mixture contains a greater per cent of double flowers than any strain. Flowers large, and the colors are very choice. Pkt., 25c.

## GODETIA.

An attractive, hardy annual, that deserves to be cultivated more extensively. Bear showy flowers of rich and varied colors.

**Finest Mixed.** All colors. Pkt., 5c.

**Lady Satin Rose.** Flowers brilliant carmine, shading rose pink at the edges, the surface shining like satin. Pkt., 5c.

## GLOBE AMARANTH.

(*Gomphrena Globosa.*)

Often called English Clover and Bachelor's Button; fine for winter bouquets of dried flowers; useful in mixed flower beds, as they bloom all summer.

**Finest Mixed.** Pkt., 5c.

## GOLDEN FEATHER.

(*Pyrethrum Parthenifolium Aureum.*)

A beautiful dwarf plant, six to nine inches high, of compact growth, forming an elegant feature for ribbon borders, marginal lines or for the general purposes of the flower garden. Foliage golden yellow. Pkt., 5c.

GLOXINIA HYBRIDA  
GRANDIFLORA.

An elegant summer blooming bulb for indoor decoration during the summer months. They are of unrivaled beauty, the soft, velvety leaves being surmounted with a cluster of large, lovely trumpet shaped flowers of exquisite coloring. The groundwork of many is pure white, with throat of blue, scarlet, rose and crimson, or the tubes are of bright colors with white throats. They bloom until late in summer. Pkt., 25c.

## GYPSOPHILA PANICULATA.

**White.** Pkt., 5c.



GAILLARDIA LORENZIANA.

## GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers. Bloom all summer.

**Picta.** Mixed, all colors. Pkt., 5c.

**Picta Lorenziana.** Double Gaillardia. This is an introduction of the greatest importance, and one which will prove to be of lasting merit. As an ornamental plant, and on account of its long duration of bloom and its usefulness for cut flowers, it cannot be too highly recommended. Pkt., 5c.

## GILIA.

Very dwarf plants, early, free blooming, fine for massing or rock work.

**Mixed.** All colors. Pkt., 5c.

## GOURDS.

These have been selected for the ornamental character of their foliage, the singularity of their fruits, and the peculiarity of their color. Some are of very large size and curious form, while others are small. Wherever grown they never fail to excite admiration. The well known mock orange. Pkt., 5c.

**Japanese Nest Egg.** White; a perfect imitation of an egg. Do not crack and are not injured by heat or cold. Very ornamental climbers and the best of nest eggs. Pkt., 5c.

**Hercules Club.** The longest of all the varieties; long, large, club shaped. Pkt., 5c.

**Pear Shaped.** Very beautiful; yellow and green striped, cream color. Pkt., 5c.

**Lemon.** Yellow, very small, showy. Pkt., 5c.

**Bottle.** Handsome and useful. Pkt., 5c.

**Sipho or Dipper.** Long, slim handles, useful for dippers. Pkt., 5c.

**Luffa (Dish Rag or Bonnet Gourd).** A natural and desirable dish cloth is furnished by the peculiar lining of the fruit, which is sponge-like, porous, very tough, elastic and durable. Many prefer this dish cloth to any. Pkt., 5c.

**Finest, mixed.** Pkt., 5c.



GOURDS. DIPPER.



**HOLLYHOCK.**

An old popular favorite; flowers form perfect rosettes of the most lovely shades of yellow, crimson, rose pink, white, etc.

**LEONARD'S MAMMOTH.**

We have a superfine strain of Hollyhock. They are grand types of fine colors, and most double and large. The spikes are extraordinarily large and fine. **Mixed**, pkt., 10c.

**Double White.** Large pure white, perfect. Pkt., 10c.

**Double Yellow.** Buff, straw and orange shades. Pkt., 10c.

**Bright Red.** Double. Pkt., 10c.

**Bright Pink.** Double. Pkt., 10c.

**Extra Double.** Mixed. Pkt., 5c.

**HIBISCUS.**

**Crimson Eye.** Flowers immense in size, often measuring twenty inches in circumference. The color is of the purest white, with a large spot of deep, velvety crimson in the center of each flower. A striking combination of color. It is a robust grower, with dark red stems and foliage. It will succeed anywhere. A well developed plant will produce several hundred of these flowers in a season. Blooms the first season from seed. The root is semi-tuberous. Always comes true from seed. Pkt., 5c.

**LEONARD'S MAMMOTH HOLLYHOCK.****HELICHRYSUM.**

The best of all the Everlastings. Large and showy plants for the border, grow generally about two feet high. Very ornamental, and highly prized for dried winter bouquets. Easily grown and succeed anywhere. Flowers should be cut before fully expanded.

**Monstrosum, Finest Mixed.** Improved large double flowers. Very fine. Pkt., 5c.

**ICE PLANT.**

(*Mesembryanthemum Crystallinum.*)

Pretty little trailing plants of dwarf habit. Leaves are covered with crystal-like icy globules. Pkt., 5c.

**KAULFUSSIA.**

Desirable compact dwarf free flowering plants, resembling single asters.

**Mixed**, all colors. Pkt., 5c.

**HELICHRYSUM.****HELIOTROPE.**

Deliciously fragrant flowering plants, fine for pot or garden culture. Succeeds in any rich garden soil. Bloom almost constantly. **Heliotrope, mixed.** Pkt., 10c.

**HELIOTROPE.****JOB'S TEARS.**

(*Coix Lachryma.*)

Curious ornamental grass with broad, corn-like leaves, and seeds of a light slate color. Valuable for the formation of winter bouquets in connection with everlasting flowers. String of handsome beads are made from the seeds. Hardy annual; three feet high. Pkt., 5c.

**IPOMÆA.**

**Ipomæa Bona Nox.** Evening Glory. Beautiful white, very large blossoms, which expand in the evening. Pkt., 5c.

**HUMULUS.**

(JAPANESE HOP.)

**Japonicus.** A rapid climber. The foliage is bright green, and resembles the common hop. It is one of the best vines for covering verandas, trellises, etc. Especially desirable, as insects do not trouble it. Pkt., 5c.

**Japonicus fol. var.** Similar to the above sort, but with beautiful variegated foliage. Pkt., 5c.

**HELIANTHUS.** See Sunflower.

**IBERIS.** See Candytuft.

**ICE PLANT.** See *Mesembryanthemum*.

**INDIAN SHOT.** See Canna.

**IPOMÆA IMPERIAL JAPANESE.** See Morning Glory.

**IPOMÆA QUAMOCLIT.** See Cypress Vine.

**JOSEPH'S COAT.** See *Amaranthus Tricolor*.





LINUM.

## LINUM.

(Flowering Flax.)

**Linum Grandiflorum Coccineum.** One of the handsomest annuals ever introduced. For brilliancy of color and duration of bloom it is unsurpassed. Pkt., 5c.

## ANNUAL LARKSPUR.

**Double Dwarf Rocket.** Pkt., 5c.

**Double Tall Rocket.** Mixed. Pkt., 5c.

**Emperor.** Produces an abundance of long, slender flower spikes in the most delicate colors. Many colors mixed. Pkt., 5c.

## PERENNIAL LARKSPUR.

Handsome and well-known hardy perennials, with splendid flowers and curiously-cut leaves; for permanent beds and borders they are indispensable.

**Mixed Varieties.** Pkt., 5c.

## LAVENDER.

This plant is much prized for the delicious fragrance of its violet flowers.

**Lavender.** Fragrant. Pkt., 5c.

## LATHYRUS LATIFOLIUS.

(Everlasting Pea.)

**Everlasting or Hardy Sweet Pea.** Hardy climbers, growing 6 to 8 feet high when trained on a trellis; the flowers are borne in large clusters. One of the hardiest and most easily cultivated of plants. The long, leathery roots penetrate to a great depth, rendering these plants peculiarly adapted to rough places to scramble over rocks and bushes; splendid cut flower. **Scarlet,** pkt., 5c.; **mixed,** pkt., 5c.

## LANTANA.

Free-flowering plants, which are desirable for summer bedding, on account of the profusion of brightly colored flowers. Our fine mixed seed will produce plants with a wide range of colors.

**Fine Mixed.** Pkt., 10c.

## LOBELIA.

Delicate foliage and pretty little blue and white flowers. Very attractive.

**Lobelia Erinus.** Pretty deep blue flowers. Very profuse bloomer. Pkt., 5c.

**Crystal Palace Compacta.** Intense blue, dark foliage. Best for bedding purposes. Free bloomer. Pkt., 5c.

**Speciosa.** Dark blue; best for hanging baskets. Pkt., 5c.

**Finest Mixed.** This mixture is very fine, and includes many sorts. Pkt., 5c.



LOBELIA.

SPECIAL  
PRICES  
ON  
FLOWER  
SEED  
IN BULK.

## LUPINUS.

(SUN DIALS.)

Free-flowering, easily grown plants, with long spikes of rich and varied colored pea-shaped flowers.

**Mixed Annual.** Pkt., 5c.

## LEMON VERBENA.

Easily grown from seed. A universal favorite. The leaves are delightfully fragrant and refreshing. Pkt., 10c.

## LOVE GROVE.

(Nemophila.)

Of dwarf spreading habit, and well adapted for border or pot culture. The flowers are single, each petal having a large, distinct blotch. Peculiarly beautiful. Hardy annual: 6 inches high.

**Mixed Varieties.** Pkt., 5c.

## LOVE-IN-A-MIST.

(Nigella.)

This singular plant is known as Lady-in-the-Green and as Devil-in-the-Bush, because the blossoms are partly concealed by the abundance of finely cut foliage. Hardy annual.

**Damascena fl. pl.** Double blue blossoms; one and one-half to two feet high. Pkt., 5c.

## LYCHNIS.

There are few plants that produce more brilliant-colored blossoms than Lychnis. The flowers are produced in clusters, and are constantly coming out all summer. Hardy perennials; one to three feet high.

**Chalcedonica.** (London Pride.) Bright scarlet; two feet high. Pkt., 5c.



LYCHNIS.

ALL FLOWER SEEDS AND SUMMER FLOWERING BULBS SENT FREE  
BY MAIL AT CATALOGUE PRICES.  
PLANTS SENT BY MAIL ONLY WHERE NOTED.



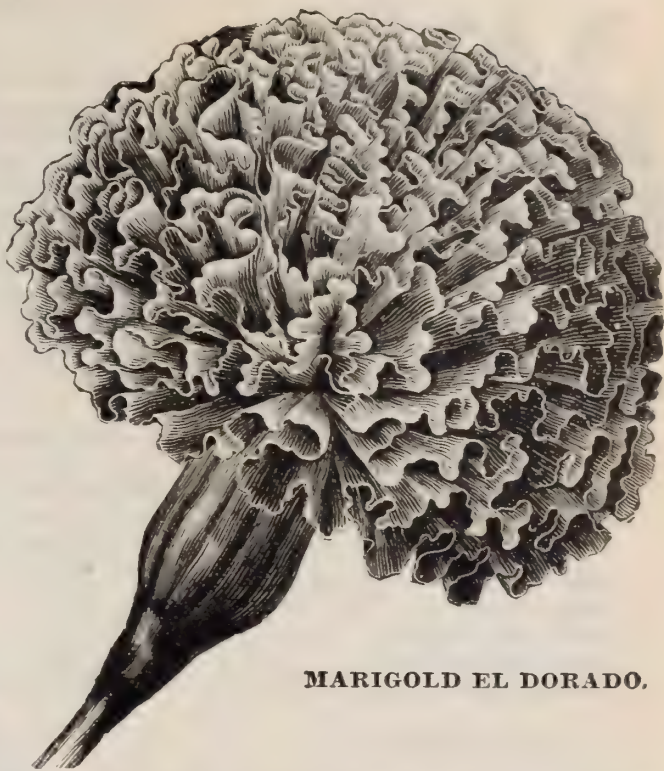
## MARIGOLDS.

Old-time garden favorites. Everybody knows Marigolds, and, as they are the easiest-grown annuals, are general favorites. Their odor is, perhaps, not agreeable to every one, but this little defect is largely compensated for by the beauty of both flowers and plants, the long duration and usefulness of their blossoms. The foliage is always green and handsome, even during the hottest months; insects will rarely ever attack them; they are always in bloom. The colors are of the brightest rich golden yellow, a shade by no means common amongst flowers, lemon yellow, orange, and brown. The flowers of the tall sorts are of immense size, often attaining a circumference of twelve inches and over, and are as double as a rose.

**El Dorado.** Flowers very large, petals imbricated and extremely double. Flowers in all shades of yellow, from the palest primrose to the deepest orange. Pkt., 5c.

**Large African.** Tall, double; orange, brown, and yellow. Pkt., 5c.

**Dwarf French.** Fine colors, mixed, double. Pkt., 5c.



MARIGOLD EL DORADO.

## MAURANDIA.

This vine is better than any of the Ivies for the window garden, and almost equal to Smilax in delicate beauty. It is hardy even out of doors, and needs no extra care to succeed inside. It drapes its support with long masses of slender, small-leaved vines that are as fine as Smilax for cutting and decoration, and much less conventional in effect. It blossoms profusely, is easily grown from the seed, and roots readily from cuttings. Maurandia is decidedly a vine for the amateur. Mixed colors. Pkt., 10c.

## MATHIOLA BICORNIS.

**Night Scented Stock.** An annual garden plant grown for its delicious perfume, which is emitted in the evening and morning, also after a shower. One foot. Pkt., 5c.

## COMMON MORNING GLORIES.

(*Convolvulus Major.*)

Climbing plants; unequaled for rapidity of growth and profusion of bloom, annuals, attaining a height of 30 to 50 feet.

**White.** Oz., 10c; pkt., 5c.

**Red.** Oz., 10c; pkt., 5c.

**Blue.** Oz., 10c; pkt., 5c.

**Mixed.** Oz., 5c.

## GIANT IMPERIAL JAPANESE MORNING GLORIES.

The flowers of these Morning Glories are double the size of the ordinary Morning Glory, running from four to six inches across. The vines are strong and robust, growing from 30 to 50 feet high during the season. The leaves are heart-shaped. Some vines have dark green foliage, others have silvery leaves, or yellow. Some leaves are mottled dark green, white, and gray. The chief beauty, however, is not their leaves or gigantic size, but the beautiful coloring of the large flowers. The colors, shading, and markings are numberless. Some flowers are deep, rich, and velvety, others are daintily tinted and shaded. The solid colors range through all the shades of red, from soft rose to crimson and maroon; from light to deep blue indigo and blackish purple; from snow-white to cream and silver gray. Some are striped, starred, and spotted, or edged with the brightest contrasting colors. Sow early



GIANT IMPERIAL JAPANESE MORNING GLORIES.

in a warm, sunny place, in good, rich soil. Single and double, all colors, mixed. Oz., 10c.; pkt., 5c.



**MARVEL OF PERU (Mirabilis.)**

(FOUR-O'CLOCKS.)

Free blooming annuals, the flowers of which remain closed until late in the afternoon, when they open rapidly and in a few minutes the plants are literally covered with bloom. The colors are silvery white, bright pink and rich yellow. Our mixed strains also embrace many beautiful striped varieties. The tall sorts grow two and one-half feet high, and the dwarf, which embraces the same colors, only twelve to fifteen inches. The variegated has golden leaves striped with green, and embraces both white and pink flowered plants.

**Mixed.** Pkt., 5c.; oz., 10c.**New Tom Thumb, mixed.** Pkt., 5c.**MIGNONETTE.**

(Reseda Odorata.)

A well known fragrant favorite. Fine for pot or garden culture. Can be had during the whole year by sowing at intervals. The air near a Mignonette bed is filled with a spicy odor and the flower clusters are visited by thousands of honey bees.

**Parson's White.** Long spikes. Pkt. 5c.**Golden Queen.** Spikes bright golden yellow. Very attractive and fragrant. Pkt., 5c.**Sweet Scented.** Very fragrant. Pkt., 5c.**Improved Machet.** Dwarf, vigorous, with massive red flowers, deliciously scented. Pkt., 5c.**Giant White Spiral.** Two to three feet high. Spikes ten inches. Color, snow white. Pkt., 5c.**Finest Mixed.** A very fine mixture, including all the best sorts. Pkt., 5c.; oz., 15c.**MARVEL OF PERU.****MIMULUS.**

Mimulus makes admirable pot plants, and equally adapted for beds in the garden, in moist and shady positions. The colorings and markings are rich in the extreme, ranging through velvety crimson, maroon, yellow, white and pink, spotted and blotched in a beautiful manner.

**Fine Mixed Spotted Varieties.**

One foot. Pkt., 5c.

**Moschatus.** (Musk Plant.) Foliage emits a strong musky perfume. Yellow. One-half foot. Pkt., 5c.**MIMOSA PUDICA.**

(SENSITIVE PLANT.)

Curious annual. The leaves instantly close up when touched. A neat plant for either pot or garden culture. Two feet. Pkt., 5c.

**MACHET.****NICOTIANA AFFINIS.**

A handsome genus of garden plants of the tobacco family, which are noted for the freedom and fragrance of their bloom. Half hardy annuals, three feet high. Flowers white, salver shaped, having long, tubular corollas, and are of exquisite fragrance. Deserve a place in every garden. Pkt., 5c.

**NOLANA.**

Beautiful trailing plants with prostrate stems. Fine for rock work, pots, baskets and vases, as the branches hang pendulous over the edge of vase or basket. The blossoms are produced abundantly and are convolvulus shaped, brilliant, and of various colors. Hardy, trailing annual. Six inches high.

**Mixed.** Pkt., 5c.**MOMORDICA.**

(BALSAM APPLE.)

A curious annual climber, with yellow blossoms and foliage similar to the canary bird flower. The fruit, the chief curiosity, is pear shaped, and has a warty skin. When ripe, the fruit bursts open, and shows a brilliant interior of large, carmine colored seeds. Fine for trellises, etc.

**Balsam Apple.** (Balsamina.) Pkt., 5c.**Balsam Pear.** (Charantia.) Pkt., 5c.**MOON FLOWER.**

(Ipomœa Grandiflora Alba.)

This is one of the most vigorous of all the summer climbers. Will grow thirty to forty feet in a single season and will be covered with its large, white flowers every evening and cloudy day. The hard, outer coat of the seed should be cut through with a sharp knife and the seed planted in a warm place. If the soil be kept moist, germination will take place in ten days to two weeks. After the plants are up tend carefully and plant out when danger of frost is past. Rich soil tends to make the plant run to vines and leaves, while poor earth will produce earlier and more abundant flowers. This variety is also known as *Ipomœa Noctiflora*. Pkt., 10c.

**MOON FLOWER.**

ALL FLOWER SEEDS AND SUMMER FLOWERING BULBS SENT FREE BY MAIL  
AT CATALOGUE PRICES.  
PLANTS SENT BY MAIL ONLY WHERE NOTED.



## NASTURTIIUMS.

(DWARF OR TOM THUMB.)

The improved Dwarf or Tom Thumb Nasturtiums are unrivaled for beauty and effect. They form compact plants not over a foot high, making gorgeous masses of color from early summer until killed by frost. Succeeding under all weather and conditions, and unsurpassed for all garden purposes. Plant the seed freely anywhere.

**Aurora.** Chrome yellow, the two lower petals blotched and veined carmine. Pkt. 5c.; oz., 10c.

**Beauty.** Golden orange, flamed scarlet. Pkt., 5c.; oz., 10c.

**Bronze Color.** Of a burnished coppery bronze. Pkt., 5c.; oz., 10c.

**Chameleon.** Not only are the flowers of various colors produced on the same plant, but these flowers are variously blotched, striped and bordered in rich contrasting shades. On one and the same plant are found self-colored flowers, others curiously stained and flushed on a clear ground, while others are broadly edged or banded with light or dark shades. Pkt., 5c.; oz., 10c.

**Cloth of Gold.** Golden yellow foliage, flowers scarlet. Pkt., 5c.; oz., 10c.

**Crystal Palace Gem.** Sulphur yellow, spotted maroon. Pkt., 5c.; oz., 10c.

**Golden King.** Grand flowers three inches across; deep golden yellow, maroon blotches. Pkt., 5c.; oz., 10c.

**Empress of India.** Brilliant crimson, dark foliage. Pkt., 5c.; oz., 10c.

**Princess Victoria Louise.** Cream white, spotted with deep scarlet; finely veined.

**Golden Yellow flowers on Golden Foliage.** Pkt., 5c.

**King of Tom Thumbs.** Crimson. Pkt., 5c.; oz., 10c.

**King Theodore.** Deep chocolate crimson, dark foliage. Pkt., 5c.; oz., 10c.

**Lady Bird.** Ground color is a rich golden yellow, each petal barred with ruby crimson. Pkt., 5c.; oz., 10c.

**Lilli Schmidt.** Orange yellow, blotched with brown. Pkt., 5c.; oz., 10c.

**Pearl.** White. Pkt., 5c.; oz., 10c.

**Prince Henry.** Cream color, spotted scarlet and tipped with wine red. Pkt., 5c.; oz., 10c.

**Regalianum.** Violet ruby. Pkt., 5c.; oz., 10c.

**Rose.** Pkt., 5c.; oz., 10c.

**Ruby King.** Light ruby red. Pkt., 5c.; oz., 10c.

**Spotted.** Deep orange, crimson blotches. Pkt., 5c.; oz., 10c.

Leonard's Special Mixture of Dwarf or Tom Thumb Varieties comprises all the new and special sorts.

Per pkt., 5c.; oz., 10c.; 1-4 lb., 30c.; lb., \$1.00.

## TALL OR CLIMBING NASTURTIIUMS.

**Dark Crimson.** Rich and velvety. Pkt., 5c.; oz., 10c.

**Edward Otto.** Flowers brownish lilac with a yellow spur. Pkt., 5c.; oz., 10c.

**Heinemanni.** Silky bronze chocolate. Pkt., 5c.; oz., 10c.

**Hemisphaericum.** Very showy, lemon yellow with crimson blotches. Pkt., 5c.; oz., 10c.

**King Theodore.** Velvety dark brown. Pkt., 5c.; oz., 10c.

**Nankeen.** Yellow. Pkt., 5c.; oz., 10c.

**Pearl.** The nearest approach to creamy white. Pkt., 5c.; oz., 10c.

**Regelianum.** Deep violet ruby. Pkt., 5c.; oz., 10c.

**Scarlet.** Intensely bright scarlet. Pkt., 5c.; oz., 10c.

**Sunlight.** Bright yellow. Pkt., 5c.; oz., 10c.

**Vesuvius.** Salmon rose, dark leaves. Pkt., 5c.; oz., 10c.

**Von Moltke.** Bluish pink. Pkt., 5c.; oz., 10c.

Leonard's Special Mixture of Tall Nasturtiums, per pkt., 5c.; oz., 10c.; 1-4 lb., 25c.; lb., 80c.

## CLIMBING NASTURTIIUM.

(MADAM GUNTER'S HYBRIDS.)

The new Hybrids of Madam Gunter make a strong growth, climbing from five to six feet high, and are covered from spring to fall with large, substantial flowers of the most brilliant shades. They are remarkable for their wide range of colors, embracing rose, pink, salmon, purple, velvety dark maroon, light yellow, and deep orange in self colors, as well as striped and blotched in the most fanciful manner. So ornamental is this new strain that it deserves a place in every garden, either for climbing or trailing from vases or over the ground. Pkt., 10c.

## LOBB'S CLIMBING NASTURTIIUMS.

(*Tropeolum Lobbianum*.)

They are as easily grown as the common Tall Nasturtium, which they far surpass in brilliancy of their flowers, in height, rapid growth and freedom of bloom. Also very desirable for winter blooming.

**Brilliant.** Deep scarlet. Pkt., 5c.; oz., 15c.

**Crystal Palace.** Very bright, orange, salmon flowers. Pkt., 5c.; oz., 15c.

**Spittfire.** Bright, fiery scarlet. Pkt., 5c.; oz., 15c.

**Choice, mixed.** Pkt., 5c.; oz., 15c.

**25 Cents** worth extra given to all customers sending \$1.00 for seeds in packets or by the Ounce.



MADAM GUNTER'S NASTURTIIUMS.



## PANSIES.

## THE UNIVERSAL FAVORITES.

LEONARD'S SPECIAL STRAIN OF GIANT  
FIVE-SPOTTED PANSY.

LEONARD'S GIANT BUTTERFLY.

**Giant Snow Queen** (Candidissima). Very large, satiny, pure white. Fine for bouquets or cemetery use. Pkt., 10c.

**Giant Emperor William.** Large, handsome flowers, borne in great profusion well above foliage. Brilliant ultramarine blue, with a purple violet eye. Pkt., 10c.

**Fine Mixed.** A very good strain in a great variety of colors. Pkt., 5c.

**Bugnot's Large Stained Parisian. Mixed Colors.** This splendid new class produces flowers of immense size and of the most varied and attractive markings and colors, each petal bearing a blotch that almost entirely covers it, so as to resemble the Lady Washington Geranium. The plants are of sturdy habit, and the flowers are borne well above the leaves, showing them to the best advantage. This is the most striking and showy pansy introduced for years. Pkt., 15c.

**Masterpiece.** This strain comes nearer to the Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt., 10c.

Enormous sized Pansies of rich, velvety texture. Every one is different and all are distinctly marked with rich and varied shades and colorings. These pansies are the most perfectly formed of any we have ever seen. Flowers are carried on good strong stems and are of good substance. Their robust growth makes them a general favorite. Every lover of pansies should try this strain. Pkt., 15c.

**Leonard's Giant Prize Mixed Pansies.** Largest prize varieties. Grand, rich, velvety colors. Pkt., 10c.

**Leonard's Giant Butterfly.** This strain is beautifully marked and blotched. Large, fine form and of endless colors. Pkt., 10c.

**Giant Red.** Bright coppery shades. Pkt., 10c.

**Giant Mahogany.** A velvety, reddish brown. Pkt., 10c.

**Giant Uncle Tom.** Finest black, deep jet; very velvety and large. Pkt. 10c.

**Giant Lord Beaconsfield.** Flowers deep purple violet, shading to white at the upper petals. Pkt., 10c.

**Trimardeau Giant.** The largest of all the Pansies. The blossoms are simply enormous, perfect in form and run through all the varieties of colors, from the lightest shade to the darkest purple. Marked with three large blotches. Pkt., 10c.

**Giant Odier.** Handsome blossoms, being very large and perfect in form, with dark, deep velvety blotches, margined with an endless variety of colors; extra large and fine. Pkt., 10c.

**Victoria.** The best red Pansy. It is a beautiful, rich deep red color throughout. Large, velvety and of fine form. Pkt., 10c.

**Giant Brown.** All shades of this color. Pkt., 10c.

**Giant Blue.** All shades of light and dark blue. Pkt., 10c.

**Giant Yellow.** From the lightest yellow to the deepest old gold. Pkt., 10c.

**Giant Purple.** Rich velvety. Pkt., 10c.



LEONARD'S GIANT FIVE-SPOTTED PANSY.



**PANSIES.—Continued.**

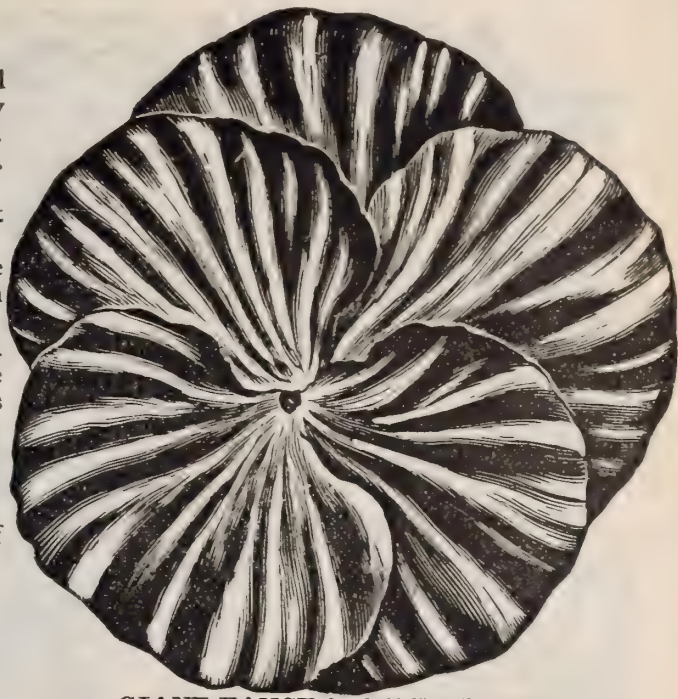
**Giant Fancy Striped.** An infinite variety of beautiful colors, curiously striped and flamed. Our stock is very select. The plants are vigorous and compact in growth. Immense flowers of fine form and texture, rich and velvety. Pkt., 10c.

**Aurora.** Flowers large. Color pure white without blotches. Pkt., 10c.

**Mad. Perrett.** Edge of petal is frilled. The colors are of dark wine, pink and red, beautifully veined, and all with a white margin. Pkt., 10c.

**Cassier.** This is a very fine mixture of pansies marked with three or five blotches on rich backgrounds. The flowers are very large, round and borne on stiff stalks emerging from bushy, compact plants. This mixture contains a great many red shades. Pkt. 10c.

**Peacock.** Very striking. Form and substance perfect. Upper petals beautiful ultramarine blue, resembling in shade the peacock feather. Lateral and lower petals are of a deep claret, margined white. Pkt., 10c.



GIANT FANCY STRIPED PANSY.

**POPPIES.**

Showy, large, brilliant colored flowers, growing freely in any garden soil. Produce a fine effect in clumps or beds.

**Golden Gate.** Recall to mind every color you have seen in poppies, then imagine every conceivable combination of colors—striped, blotched, edged and bordered, on both single, semi-double and double flowers—and you will have but a faint idea of the wondrously varied beauty of the new Golden Gate poppies. Pkt., 5c.

**Fayal.** The seed of these first came from the Fayal Islands. They are charming dwarf plants, producing double and single flowers, which are like crinkled tissue paper, and of every imaginable poppy color, deepest red, terra cotta, salmon, soft and bright pink, pure white, grey, etc. Pkt., 5c.

**Finest Mixed.** All colors and varieties. Pkt., 5c.



POPPY.

**Snow Drift.** A grand variety. The large, pure white flowers are perfectly round and double. Pkt., 5c.

**Shirley.** The absence of black blood gives them their wonderful light, bright tissue, paper-like appearance. The colors range from purest white, through pinks of all shades, to glowing scarlet, but a scarlet without black. Some are red with white edges, and others veined and streaked and flaked from the center toward the edges in the most charming confusion. Mixed colors, extra fine strain. Pkt., 5c.

**The Mikado.** Of pure white and brilliant crimson scarlet. Large double flowers of quaint, artistic beauty, with petals deeply cut and fringed. Pkt., 5c.

**Fairy Blush.** The immense globular flowers are perfectly double, and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, except at the tips, where they are distinctly colored with rosy cream. The foliage grows only twelve to fourteen inches in height, above which the flowers are borne on long stems. Pkt., 5c.

**Poppy Carnation Flowered.** Very fine, double fringed flowers, all colors. Pkt., 5c.

**PETUNIA.**

For outdoor decoration or house culture, few plants are equal to this class. They commence to bloom early, and continue to flower through the summer. Give them a rich soil and sunny place.

**Double Mixed, Large Flowering.** Flowers twice the size of the ordinary strain, and the most beautiful colors. Produce a larger per cent of double than most strains. Pkt., 25c.

**Single Large Flowering.** Mixed, all colors. Pkt. 10c.

**Fine Mixed.** All colors. Pkt., 5c.



PETUNIA.

**OUR WILD FLOWER GARDEN MIXTURE**

Comprises many varieties of beautiful, hardy, easy growing flowers that will produce a constant and varied bloom all summer. This mixture comprises Mignonette, Candytuft, Larkspurs, Poppies, Pinks, Asters, Foxgloves and many others that are equally as great favorites. Large pkt., 5c.; oz., 10c.





## HARDY GARDEN PINKS.

These flowers are without a superior among annual garden plants. Bloom continually all summer long, and are most beautiful and lasting cut flowers. Of easy culture and bloom the first year from seed. Very fragrant.

### DOUBLE ANNUAL PINKS.

**Double Chinese Pinks.** (See cut.) Flowers large and double. This beautiful variety does well anywhere. Rich in color, of extraordinary size and substance. Pkt., 5c.

**Double Heddewegii.** Large flowers, beautiful rich colors, finely marked. Pkt., 5c.

**Double Diadem Pink.** Of dwarf, compact habit, of various tints of rose, maroon and purple; one of the best; with brilliant markings and dazzling colors. Pkt., 5c.

**Double Japan Pinks.** This is a strain superior to any we have previously had. The flowers are large, double, of the brightest colors, handsomely fringed and borne on long, stiff stems, making them one of the most useful flowers for bouquets. Pkt., 5c.

**Double Imperial Pink, mixed.** Pkt., 5c.

**Eastern Queen.** Beautifully marbled; the broad bands of rich mauve upon the paler surface of the petals are very striking and pretty. Pkt., 5c.

**Crimson Belle.** Rich, vivid crimson-like color; flowers of extraordinary size and substance, evenly and finely lacinated. Pkt., 5c.

**Snow Queen Pink.** This is an extra fine selection of the large flowering double White Japan Pink, the very best strain we have ever seen. The flowers are extremely large, often three inches in diameter, and resemble a white carnation. They are produced in great abundance, and are borne on long, stiff stems, which, combined with their lasting qualities, render them one of the prettiest of white flowers. Pkt., 5c.

### PASSIFLORA.

(Passion Flowers.)

Magnificent twiners of unrivaled elegance and of commanding beauty. The foliage is graceful and attractive, and the flowers are truly gorgeous.

**Passiflora Coerulea.** The most beautiful and remarkable variety grown, producing rich, green foliage and sky blue flowers, followed in the autumn by a profusion of golden fruit. Pkt., 5c.

### PYRETHRUM.

(Feverfew.)

Very useful and universally admired ornamental foliage bedding plants. Sow from December to April in shallow boxes in a temperature of 60°. As soon as the young plants can be handled transplant singly into small pots or shallow boxes, where they may remain until the time of planting out into the open ground in May. (See also *Matricaria*.)

**Parthenifolium aureum.** (*Golden Feather*.) Beautiful, gold leaved bedding plant. Flowers white; height 1 foot. Pkt., 5c.





# PHLOX DRUMMONDI.

Improved Large Flowering Varieties.

An indispensable, constant blooming favorite, which should occupy a prominent place in every garden for clumps or massing. Very desirable for their duration of bloom and display of brilliant, dazzling colors. Hardy annuals. The large flowering sorts are extraordinarily fine.

**Pure White.** Fine, clear white. Pkt., 5c.

**Rose.** A bright rose. Beautiful. Pkt., 5c.

**Isabellina.** Pale yellow. Pkt., 5c.

**Striata.** Striped scarlet and white. Pkt., 5c.

**Double White.** A profuse bloomer. Charming, densely double white flowers. About 60 per cent come true from seed. Pkt., 10 cents.

**Coccinea.** Brilliant scarlet, very bright. Pkt., 5c.

**Star of Quedlinburg.** Different from all other phloxes. The center petals, which are five in number, are elongated from four to five times the length of the lateral ones. Distinct and star-like. Pkt., 5c.



PHLOX DRUMMONDI.

**Black Warrior.** A very dark, deep red. Pkt., 5c.

**Mixed Varieties.** All colors. Pkt., 5c.

**Fimbriata.** The petals are beautifully imbricated, most of them drawn out to long points, giving the flower a regular star-like form, whose beauty is improved by broad, white margins. The strain embraces all colors. Pkt., 5c.

## PERILLA.

(*Nankinensis Atropurpurea*  
*Laciniata.*)

Ornamental foliage plants similar to Coleus. Fine for bedding with silver-leaved plants. Foliage, metallic bronze; same culture as for Coleus. Half hardy annual. Pkt., 5c.



DOUBLE PORTULACA.

## PORTULACA.

(MOSS ROSE.)

Brilliant Dwarf annuals, six inches high. Plant in sunny place and sandy soil. Bloom all summer.

**Single Mixed Colors.** Pkt., 5c.

**Double Mixed.** Rose flowered. Beautiful brilliant colors of great variety. Pkt., 10c.

## STATELY PALMS.

As decorative plants for the house, many species of Palms are rarely prized. Happily, those species which will thrive in ordinary heat, and with the least care, are among the handsomest and most desirable of the genus. They will do well at a window where there is little or no direct sunshine. This peculiarity makes these plants adapted to places quite unsuited to ordinary house plants. A regular, but not excessive, supply of water and a fair light are all the plants demand during the cool season. In summer a more liberal watering is required. The soil should be a substantial fibery loam, with a small quantity of well-rotted manure. A daily syringing of the leaves is an advantage, but in winter once a week is sufficient. If kept in a living room with dry furnace heat, daily syringing or spraying the leaves is advisable. Those varieties that are hardy enough to bear planting out on the lawn during warm weather are sure to command attention.



PALM,  
CHAMÆROPS EXCELSA.

**Chamærops Humilis.** (Dwarf Fan Palm.) The most hardy and dwarf of its species, seldom attaining over eight or ten feet in height. Pkt., 10c.

**Chamærops Excelsa** is a greenhouse variety in our climate. As a lawn plant in our Southern States, nothing could be more conspicuously attractive. A well grown specimen will attain the height of twenty-five or thirty feet. Pkt., 10c.

## PRIMROSES.

A charming and profuse flowering plant, indispensable for winter blooming.

**Primula. Finest Mixed.** All colors, very fine. Pkt., 25c.

## HARDY PHLOX:

(*Phlox Decussata.*)

These rank among the finest herbaceous plants for beds and borders. Magnificent, large, waxy flowers of lovely shades of color. Strong bushes, two to three feet high. Pkt., 10c.



See our incomparable collection of Sweet Peas on Page 12.

## SWEET PEAS.

ALL THE BEST VARIETIES.

Note the Dwarf and Double Varieties on Page 99.



BLANCHE BURPEE.

### MAROON.

- Black Knight.** The darkest shade of maroon. Pkt., 5c.; oz., 10c.  
**Boreatton.** One of the darkest and richest colored satin-like maroon. Self-colored. Pkt., 5c.; oz., 10c.  
**Monarch.** Standard, large, fine form of violet maroon. Wings expanded, very large, similar color, but having a bluish tint. Pkt., 5c.; oz., 10c.  
**Stanley.** The darkest of all Sweet Peas. A fine, bold flower. Color is a deep maroon. Pkt., 5c.; oz., 10c.  
**Shahzada.** Rich, very dark maroon standard and deep violet wings. Pkt., 5c.; oz., 10c.  
**Waverly.** The wings and standard are a beautiful blending rose pink and lavender blue shades. Pkt., 5c.; oz., 10c.

### SCARLET.

- Brilliant.** Rich crimson scarlet. Stands the summer heat better than any other scarlet sort. Pkt., 5c.; oz., 10c.  
**Firefly.** Intense scarlet. Of good size and form. Pkt., 5c.; oz., 10c.  
**Invincible Scarlet.** Bright scarlet. Pkt., 5c.; oz., 10c.  
**Princess Victoria.** Standard bright Scarlet. Wings Rosy mauve. Pkt., 5c.; oz., 10c.

### LAVENDER AND LIGHT BLUE.

- Butterfly.** Standard a combination of shades of violet and lavender. Wings white shaded and edged blue. Pkt., 5c.; oz., 10c.  
**Countess of Radnor.** A beautiful shade of lavender. Pkt., 5c.; oz., 10c.  
**Dorothy Tennant.** Flowers warm violet or mauve. Very large and finely formed. Pkt., 5c.; oz., 10c.  
**Lottie Eckford.** White, lightly suffused with blue. Wings deeper blue. Pkt., 5c.; oz., 10c.  
**Maid of Honor.** White, edged with blue. Has a very handsome appearance. Pkt., 5c.; oz., 10c.

### DARK BLUE AND PURPLE.

- Countess of Cadogan.** A very long stemmed variety bearing three and four flowers on each stem. A beautiful blue shade a little darker than navy blue. Pkt., 5c.; oz., 10c.  
**Captain of the Blues.** Flowers large and expanded. Standard bright purple blue. Wings expanded and a lighter blue. Pkt., 5c.; oz., 10c.  
**Indigo King.** Standard a very rich purple. Wings bluer than the standard. Pkt., 5c.; oz., 10c.  
**Navy Blue.** A true blue, quite distinct in color. Pkt., 5c.; oz., 10c.

### CRIMSON.

- Mars.** Bright crimson. Large and gorgeous flowers. Pkt., 5c.; oz., 10c.  
**Ignia.** Intense Crimson, but does not stand the hot weather well. Pkt., 5c.; oz., 10c.  
**Salopian.** One of the most brilliant sorts yet introduced. The flowers are of faultless form, large and a rich, brilliant cardinal red. Pkt., 5c.; oz., 10c.

### WHITE.

- Blanche Burpee.** The finest white yet introduced. Flowers pure white; immense size. Profuse bloomer. Pkt., 5c.; oz., 10c.  
**Emily Henderson.** Flowers large, pure satin white, on long stiff stems. Free and persistent bloomer. Pkt., 5c.; oz., 10c.

### LIGHT PINK AND ROSE.

- Eliza Eckford.** Large flower; rosy pink over white. Delicate and very beautiful. Pkt., 5c.; oz., 10c.  
**Katherine Tracy.** Considered the best pink. The color is soft but brilliant in both wings and standards. Stands the hot sun better than any other pink. The long stiff stems make it especially fine for cutting. Pkt., 5c.; oz., 10c.  
**Lady Beaconsfield.** Standards are salmon pink. Wings primrose yellow; large and handsomely formed. Pkt., 5c.; oz., 10c.  
**Lovely.** Soft shell pink; large flowers, often four on a stem. Pkt., 5c.; oz., 10c.  
**Duchess of York.** White, suffused with a delicate pink. Pkt., 5c.; oz., 10c.  
**Mrs. Sankey.** A very light pink which fades to white as the flower grows older. Pkt., 5c.; oz., 10c.  
**Prima Donna.** A brilliant soft pink; Large and perfect flower. Pkt., 5c.; oz., 10c.

- Ramona.** Creamy white ground, delicately striped and splashed pale pink. Pkt., 5c.; oz., 10c.  
**Venus.** Lovely salmon; buff shaded, rosy pink. Pkt., 5c.; oz., 10c.  
**Apple Blossom.** Bright rosy pink, beautifully blended; white. Pkt., 5c.; oz., 10c.  
**Her Majesty.** Large hooded flowers of a beautiful rose pink. Pkt., 5c.; oz., 10c.  
**Lady Mary Currie.** A deep orange pink. Brilliant color. Pkt., 5c.; oz., 10c.  
**Lady Penzance.** Standards orange-pink; wings, deep pure pink. Pkt., 5c.; oz., 10c.  
**Ovid.** A rich rose color, overlaid with a darker shade. Pkt., 5c.; oz., 10c.  
**Peach Blossoms.** A very large flower, having a warm yellowish pink standard, and wings of a lighter, softer shade. Pkt., 5c.; oz., 10c.  
**Royal Robe.** Bright rose pink. Pkt., 5c.; oz., 10c.  
**Royal Rose.** One of the largest and finest formed flowers yet introduced. Standard rose pink, wings a shade lighter. Pkt., 5c.; oz., 10c.  
**Extra Early Blanche Ferry.** Two weeks earlier than any other sort. Wings are nearly white, while the standards are a deep rose pink. Hardy, vigorous and a dwarf grower. Pkt., 5c.; oz., 10c.

### CLARET.

- Duke of Clarence.** Deep rosy claret; large and of fine form. Pkt., 5c.; oz., 10c.



EMILY HENDERSON.



Our Sweet Pea List will be found complete. We are headquarters.

## SWEET PEAS.

(BEST VARIETIES, (Continued.)

Leonard's 1904 Mixture of Named Sorts. Oz. 5c.,  $\frac{1}{4}$  lb. 15c., lb. 50c. Postpaid.

### YELLOW.

**Coquette.** Standard shaded light blue on primrose ground. Wings clear primrose. Fine large flowers. Pkt., 5c.; oz., 10c.

**Mrs. Eckford.** A delicate primrose yellow. Flowers large, of good substance and perfect form. Pkt., 5c.; oz., 10c.

**Primrose.** A light primrose. Pkt., 5c.; oz., 10c.

**Stella Morse.** Large flowers of the finest form, and a peculiar warm salmon pink. Pkt., 5c.; oz., 10c.

**Golden Gleam.** The best of the yellows. Large and perfect. Pkt., 5c.; oz., 10c.

### STRIPED AND VARIEGATED.

**America.** The most brilliant of the red striped sorts. White ground, striped crimson scarlet. Large fine flower. Pkt., 5c.; oz., 10c.

**Aurora.** Standard and wings flaked and striped on a white ground with bright orange salmon. Pkt., 5c.; oz., 10c.

**Gray Friar.** White ground, marbled and dotted with heliotrope and purple. Pkt., 5c.; oz., 10c.

**Juanita.** White, with stripes and dashes of delicate lavender. Large and splendidly formed. Pkt., 5c.; oz., 10c.

**Mrs. Joseph Chamberlain.** Flowers are of fine form and large size, heavily flaked and striped with deep, clear rose. Pkt., 5c.; oz., 10c.

**Senator.** The finest dark striped flower. White ground, almost entirely covered with heavy stripes of brown and chocolate. Pkt., 5c.; oz., 10c.



**Columbia.** White ground, suffused purple and penciled pink. Pkt., 5c.; oz., 10c.

### NEW BUSH SWEET PEAS.

**Blanche Burpee, Bush.** Large white flowers.

**Blanch Ferry, Bush.** Pink and white.

**Gray Friar, Bush.** Watered purple on white.

**Her Majesty, Bush.** Deep carmine-rose.

**Monarch, Bush.** Maroon and purple.

**Prima Donna, Bush.** Soft pink.

**Senator, Bush.** Striped, white, maroon and purple.

**Stella Morse, Bush.** Cream, pink and apricot.

Price for any of the above named Bush Sweet Peas, 5c. per pkt., 15c. per oz., or the collection pkt. each of eight for 30c.

**Bush Sweet Peas. Mixed Colors,** including many varieties, 5c. per pkt.; 10c. per oz.; 20c. per  $\frac{1}{4}$  lb.; 75c. per lb.

### CUPID SWEET PEAS.

**Alice Eckford Cupid.** Creamy pink standard; wings white, flushed pink.

**America Cupid.** Striped blood red and white.

**Apple Blossom Cupid.** A charming combination of pink and white.

**Beauty Cupid.** Delicate rose color shading to white, suffused rosy carmine.

**Blanche Ferry Cupid.** Standard bright rose pink, wings blush-white.

**Blue Cupid.** Violet-purple approaching blue.

**Boreatton Cupid.** Rich maroon color, with darker veinings.

**Chamberlain Cupid.** Giant flowers, striped pink on white.

**Countess of Radnor Cupid.** Beautiful lavender flowers of large size.

**Firefly Cupid.** Of dazzling scarlet effect, literally covered with blooms.

**Her Majesty Cupid.** Deep rosy crimson.

**Lottie Eckford Cupid.** White shaded lavender, edged purple.

**Primrose Cupid.** Creamy yellow flowers.

**Royalty Cupid.** A deep rose-pink self.

**Stella Morse Cupid.** Creamy buff and apricot, shaded rosy carmine.

**White Cupid.** Pure white flowers.

Prices for any of above-named Cupid Sweet Peas, 5c. per pkt.; 10c. per oz.

### DOUBLE FLOWERING SWEET PEAS.

**Double Apple Blossom.** Rose and blush.

**Double Boreatton.** Deep maroon.

**Double Butterfly.** White, lavender and blue.

**Double Captain of the Blues.** Blue.

**Double Duke of Clarence.** Plum-claret.

Prices for any of above Double Sweet Peas, 5c. per pkt., 10c. per oz., or the collection, one packet each of the above nine varieties, 35c.

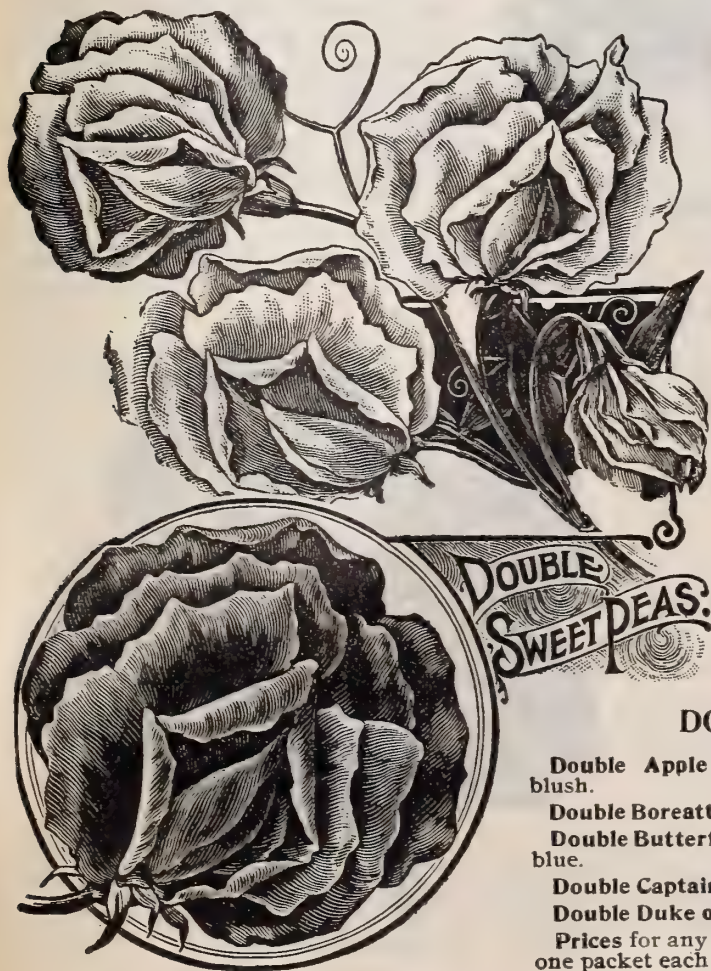
**Double Lottie Eckford.** White and mauve.

**Double Splendor.** Rosy Crimson.

**Double Senator.** Striped blue, white and chocolate.

**Double White.** Pure white.

**Double Mixed Colors.**







MULTIFLORA  
DWARF  
PERPETUAL  
ROSE.

### SCABIOSA.

(Mourning Bride or Sweet Scabious.)

**Finest Varieties, mixed.** A beautiful border plant, producing in profusion flowers in great variety of colors. The flowers are quite double and globular, varying in all the shades of white, carmine, maroon, lilac, etc. A most valuable flower to make bouquets or for vases of cut flowers.

**Black Prince.** The flowers are very large and double and nearly black, a beautiful color; very effective as a bunch in a vase. Pkt., 5c.

**Double Blood Red.** A very striking color. Pkt., 5c.

**Large Flowering Scabiosa.** Flowers average three inches across, very double; valuable for bouquets. Many colors mixed. Pkt., 5c.

**The Snowball.** The flowers of this pretty new scabiosa are large, measuring nearly two inches in diameter, of purest white and very double. The stems are very long and the foliage luxuriant. This plant comes quite true from seed, and is sure to be liked for vases and bouquets. Pkt., 5c.

### SALVIA.

(FLOWERING SAGE.)

Favorite greenhouse and bedding plants. Bearing long spikes of flowers in great profusion from July to October.

**Mixed.** All colors. Pkt., 5c.

### SCARLET RUNNERS.

**P. Multiflorus.** Fine climbers, growing ten feet, and produce dazzling red flowers. Well known as the Fire Bean. Pkt., 5c.

### SALPIGLOSSIS.

(PAINTED TUBE TONGUE.)

Remarkably beautiful blooming plants, with funnel-shaped flowers, curiously veined and marbled.

**New Large Flowering, mixed.** All colors. Pkt., 5c.

### SMILAX.

(*Myrsiphyllum Asparagoides*.)

One of the most delicate and beautiful of all vines for greenhouse culture; most extensively used in all bouquet work. Pkt., 10c., oz., 40c.

### "LITTLE MIDGET" ROSES.

**Multiflora Dwarf Perpetual, mixed.** The plants commence to bloom when only about four inches high, and in a little over a month from sowing the seed, and continue to grow and bloom until the end of the season, when they are compact plants about sixteen inches high. With a little protection the plants will live over and the flowers be even more beautiful the second season. The roses are only about an inch across, usually very double, but occasionally semi-double and seldom single; they are borne in many flowered clusters, and contain all the tints of cultivated roses. Pkt., 10c.

### RHODANTHE.

Beautiful everlastings, with silvery-tinted flowers. **Mixed.** Pkt., 5c.

### ROCKET.

(*HESPERIS*.)

**Mixed.** Pkt., 5c.

**SENSITIVE PLANT.** See *Mimosa Pudica*.

**SWAN RIVER DAISY.** See *Brachycome*.

### RICINUS.

(CASTOR OIL PLANT.)

Ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing a sub-tropical effect.

**Sanguineus.** Exceedingly ornamental. Red spotted fruit in clusters. Fine foliage. Pkt., 5c.; oz., 10c.

**Enormis, finest mixed.** All colors. Gigantic. Pkt., 5c.; oz., 10c.

**Zanzibariensis.** The largest of all *Ricinus*, growing ten to twelve feet high. The sorts that comprise our mixture have gigantic leaves, two to two and a half feet across, richly colored, varying from bright green with green stems to dark bronze with red stems. Planted in groups on the lawn, they make a beautiful tropical effect. Pkt., 5c.; oz., 10c.



SCABIOSA.



SALPIGLOSSIS.



**VERBENA.**

**Mammoth Verbena.** Obtained by selection of the largest and most striking flowers. Our strain is very fine. All colors mixed. Pkt., 10c.

**Mammoth White.** Large, very fine. Pkt., 10c.

**Scarlet.** Very brilliant. Pkt., 10c.

**Striped Varieties.** Pkt., 10c.

**Blue Varieties.** Pkt., 10c.

**Red Varieties.** Pkt., 10c.

**Defiance.** Very brilliant scarlet. Very fine bedding variety. Pkt., 10c.

**Fine Mixed.** All colors. Pkt., 5c.

**VINCA.**

Ornamental free flowering plants. If sown early will bloom the first season.

**Mixed.** All colors. Pkt., 5c.

**VIOLET.**

(*Viola Odorata.*)

Well known early spring blooming fragrant flowers.

**Single Blue.** Very sweet scented blue flowers. Pkt., 5c.

**SWEET WILLIAM.**

(*Dianthus Barbatus.*)

Well known, free flowering, hardy plants, admired for their endless variety of beautiful, massive heads.

**Single Mixed.** Pkt., 5c.

**Double Mixed.** Pkt., 10c.

**SUNFLOWERS.**

Valuable as a screen to hide unsightly places, and as a background for lawns. Hardy annual.

**Double Chrysanthemum Flowered.** A tall plant, growing seven feet high and blooming profusely all summer. Flowers are double, large, round, golden yellow, and resemble chrysanthemums. Pkt., 5c.

**Globosus Fistulosus.** Produces very large, exceedingly double flowers of bright yellow color. Plants about five feet high. Pkt., 5c.

**Large Russian.** A strong growing, single variety, about six feet high. The stalks are sometimes used for fuel. Pkt., 5c.; lb., 20c.

**Stella.** The plant of this fine variety is well branched and bushy, and attains a height of about three feet. It is covered with finely formed flowers, which are about three inches across, of golden yellow, having black discs, and borne on long stems, which rise well above the foliage. If the seed be sown in spring, in a sunny place, the plants will bloom abundantly in early summer, until killed by frost. Pkt., 5c.

**WHITLAVIA.**

A pretty plant, with delicate foliage and blue and white bell-shaped flowers.

**Mixed, All Colors.** Pkt., 5c.

**STOCKS.**

(GILLYFLOWER.)

One of the most popular plants. For its brilliancy of color, profusion of bloom, etc., it is unsurpassed. The ten weeks stocks are in bloom from ten to twelve weeks after seed is sown.

**New Large Flowering.** The largest and finest varieties, mixed. Pkt., 10c.

**Pure White.** Pkt., 10c.

**Bright Crimson.** Pkt., 10c.

**Purple.** Pkt., 10c.

**Ten Weeks.** All colors of double mixed. Pkt., 5c.

**WALLFLOWER.**

Flowers very fragrant, large massive spikes. Profuse bloomers.

**Single Mixed.** Pkt., 5c.

**Finest Double Mixed.** Pkt., 10c.

**XERANTHEMUM.**

Pretty, free flowering; everlastings.

**Xeranthemum, Mixed.** Pkt., 5c.; oz., 10c.

**ZINNIAS.**

The double Zinnia is one of the most showy and brilliant garden favorites.

**Double Pompon.** Large, double, brilliant, mixed, all varieties and colors. Pkt., 5c.

**Double White.** Pure color, very fine. Pkt., 5c.

**Double Scarlet.** Very brilliant. Pkt., 5c.

**Zebra.** Large, handsome, beautifully marked. Pkt., 5c.



MAMMOTH VERBENA.



WALLFLOWER.



## SMALL FRUITS.

### STRAWBERRIES.

Varieties marked (P) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as are all not so marked. Thus planted, the (P) sorts are the most productive.

**Brandywine.** Berries large; ripen late. One of if not the best well tested large varieties for both home and market use.

**Gandy.** The best late variety in cultivation. Berries large, of fine form and excellent quality, flesh firm; a good shipper.

**Jessie.** One of the most perfect berries grown; large, prolific, and free from rust.

**Haverland.** (P.) Long, conical berry, bright red; very productive; good quality, moderately firm.

**Wilson's Albany.** Well known sort; early to medium.

**Bubach's No. 5.** (P.) Fruit large; very prolific; popular in the Chicago market.

**Warfield's No. 2.** (P.) A great market berry; dark crimson, fine flavor, very firm.

25c. per dozen, by mail, prepaid; 75c. per hundred; any variety.



BUBACH.

### GOOSEBERRIES.

**Downing.** The best of the American sorts. Fruit large, pale green, and of excellent quality, both for cooking and table use. Bushes stocky, vigorous, hardy, very prolific.

**Industry.** A fine red variety, a vigorous grower and immense yielder.

10c. each; \$1 per dozen.

### GRAPES.

**Brighton.** Dark red berries of medium size.

**Concord.** Large purplish black. The old favorite.

**Moore's Early.** Two weeks earlier than the Concord, which it resembles as to color, etc.

**Niagara.** Hardy, strong and vigorous grower. Berries are greenish white, semi-transparent, slightly ambered in the sun. Skin thin and tough; very sweet.

**Worden.** Black, handsome, compact bunch. Ripens earlier than the Concord.

Any variety, 15c. each; by mail, 20c.



MOORE'S EARLY.

heavy bloom, firm, meaty and of fine flavor. It responds liberally to generous treatment.

**Shaffer's Colossal.** Canes of wonderful vigor and size, hardy and enormously productive. Berries large, luscious, rich, sprightly flavor.

**Souhegan, or Tyler.** A very early blackcap, and the leading early market sort.

Raspberries, any variety, 50c. per dozen; by mail, 60c. per dozen.

### BLACKBERRIES.

**Erie.** This is decidedly the finest blackberry. Perfectly hardy. Of enormous size. By far the sweetest, most melting and delicious of all blackberries.

**Dewberry.** (Lucretia or Creeping Blackberry.) Conceded to be the finest of its class. The quality is superb. Per dozen, 50c.; by mail, 60c.

### CURRENTS.

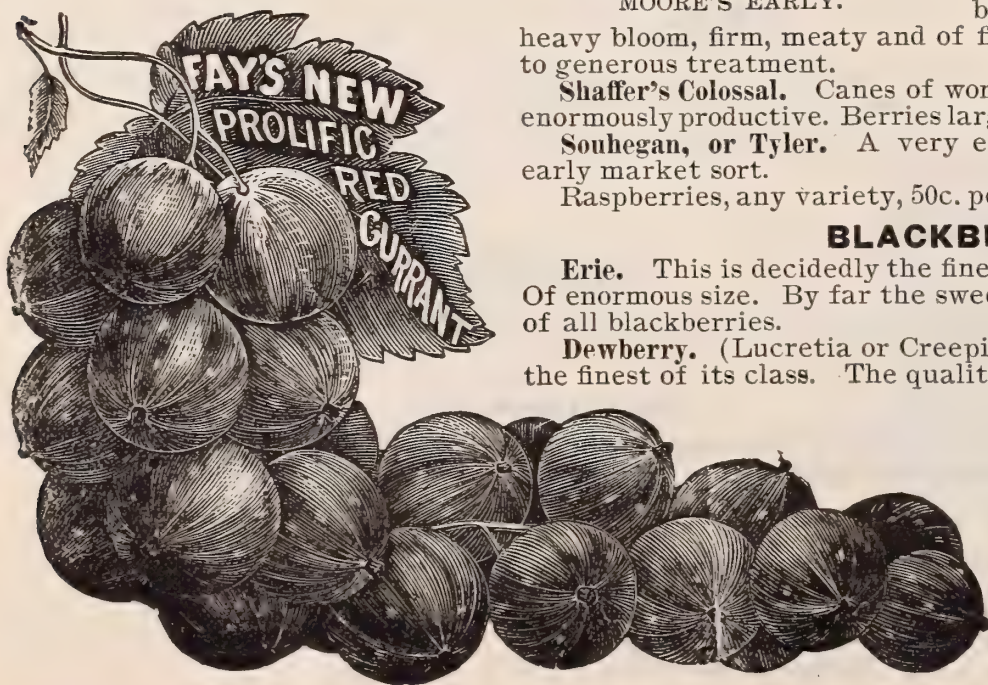
**Fay's Prolific.** The best currant. Large fruit in long clusters. The flavor is very fine.

**Cherry.** Large red.

**White Grape.**

**Black Champion.**

10c. each; \$1 per dozen.





# FERTILIZERS AND INSECTICIDES.

It is unnecessary to tell our customers that Chicago is recognized as headquarters for commercial fertilizer. Here is to be had material for the manufacturing of fertilizer in large quantities and of highest grade. We have made special arrangements with the factory by which we are able to offer this article at the lowest wholesale price, and solicit correspondence from parties wishing large quantities. We can save you money if you buy by the sack, ton or carload. Every bag and barrel has a guaranteed analysis.



BLATCHFORD TRADE-MARK.

## BLATCHFORD'S Plant Grower AND Land Renovator.

This splendid Fertilizer is composed of pure nitrate of soda, muriate of potash, sulphate of ammonia, bone meal and gypsum. It is excellent for lawns, for indoor plants, vegetable crops and for all the purposes for which a fertilizer is needed.

12½ Lb. bag .....	\$0.50
30 " " .....	1.00
100 " " .....	2.50

Special quotations on large lots.

**Vegetable and Lawn.** Guaranteed analysis: Ammonia, 4 to 5 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 8 to 11 per cent; actual potash, 7 to 9 per cent. This is positively the best article on the market for use as a complete manure for all purposes. It is the best lawn fertilizer ever prepared. Note the large amount of actual potash in this brand.

10-lb. package, 50c; 25 lbs., \$1.00; bag of 100 lbs., \$2.00; 200 lbs., \$3.50; ton, \$33.00

**Farmers' Favorite Brand.** Guaranteed analysis: Ammonia, 3½ to 4½ per cent; available phosphoric acid, 8 to 9 per cent; total phosphoric acid, 13 to 14 per cent; actual potash, 4 to 5 per cent. Two hundred pounds of this will go as far as six hundred pounds of almost any other brand on the market. It is available for spring crops and also lasting in the soil. It is the best brand on the market for fruit trees, vines and small fruits.

10-lb. package, 50c; 25 lbs., \$1.00; bag of 100 lbs., \$1.90; 200 lbs., \$3.00; ton, \$29.00

**Sure Winner Brand.** Guaranteed Analysis: Ammonia, 1½ to 2½ per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 12 to 14 per cent; actual potash, 3 to 4 per cent. For land and crops requiring minerals (phosphoric acid and potash) and very little ammonia, this brand fills the bill.

10-lb. package, 50c; 25 lbs., \$1.00; bag of 100 lbs., \$1.50; 200 lbs., \$2.75; ton, \$26.00.

**Chicago Brand.** Guaranteed Analysis: Ammonia, 2½ to 3 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 11 to 14 per cent; actual potash, 1 to 2 per cent. This brand gives you a combination of nitrogen and phosphoric acid, with very little potash, and where potash is not needed, gives very good results.

10-lb. package, 40c; 25 lbs., 75c; bag of 100 lbs., \$1.25; 200 lbs., \$2.50; ton, \$23.00.

**Nitrate of Soda.** Should be sown broadcast, and it is very important to sow it evenly. Two or three pounds on a square rod will be beneficial.

25 lbs., \$1.50; 50 lbs., \$2.00; 100 lbs., \$3.25; 200 lbs., \$6.50; 500 lbs., \$15.00.

**Pure Ground Bone, Steamed.** Guaranteed analysis: Ammonia, 3 to 4 per cent; bone phosphate, 50 to 60 per cent; equal to phosphoric acid, 24 to 26 per cent. In this article we give you a finely ground steamed bone, pure and in the best possible condition. Users of bone alone can find no better article. It will analyze nearer the highest per cent. given in our guarantee than it will the lowest. It gives great big results on fall crops.

10 lbs., 50c; 25 lbs., \$1.00; bag of 100 lbs., \$1.60; 200 lbs., \$2.85; ton, \$27.00.

**Ground Raw Bone.** Guaranteed Analysis: Ammonia, 4 to 5 per cent; bone phosphate, 45 to 55 per cent; equal to phosphoric acid, 21 to 25 per cent. This is a pure ground raw bone—no rock is put in to cheapen it. These goods also will analyze nearer the highest limit of our guarantee.

10 lbs., 50c; 25 lbs., \$1.00; bag of 100 lbs., \$1.90; 200 lbs., \$3.00; ton, \$29.00.

**Florist's Plant Food.** This article has been made at the suggestion of florists, who desired to obtain an inexpensive, effective and odorless preparation, that would act quickly on plants and furnish food for flower and leaf. An application of this plant food will be observed in the vigorous growth of the flowers and a deep green foliage.

5 lbs., 50c; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$2.00; 100 lbs., \$4.00.

**Blood and Bone.** Manufactured of pure blood and bone. When this fertilizer is used in rows or in hills for such crops as celery, cabbage or early corn, from 100 to 200 pounds per acre will be enough.

200 lbs., \$3.00; ton, \$25.00.

**Bowker's Plant Food.** An excellent fertilizer for house plants. Clean to handle, without odor, produces rich green growth and profusion of flowers. Directions for use accompany each package.

Small package, 15c; by mail, 20c.  
Large " 25c; " 40c.

**INSECTICIDES.** Insecticides cannot be sent by mail. The prices quoted are net. Purchaser must pay all express or freight charges. On many of the items prices change with the market, and special quotations will be made upon application. For prices on larger quantities than quoted, write. Any information desired in relation to insecticides or fungicides will be given as far as data at hand will permit.

**BUG DEATH** This new preparation comes highly recommended after a six years' test in the east. It is sure death to the Potato Bug, and besides it acts as a fertilizer. There are many testimonials at hand from very large eastern potato growers. From the reports that we have received in regard to this new insecticide we feel much confidence in offering it with our indorsement to any of our customers who want a quick acting, sure non-poisonous bug killer. It can be used on all vegetable and fruit crops and will give excellent results.

16 PAGE BOOKLET CONTAINING FULL INFORMATION  
FREE ON APPLICATION.

**Prices:** 1 lb. package, 15c; 3 lb., package, 35c; 5 lb. package, 50c; 12½ lb. package, \$1.00; 100 lb. keg, \$7.00.

Perfection Shaker, for applying Bug Death, 65c.

**Fir Tree Oil.** For greenhouse and house plants. It destroys all plant insects without injuring the plant. It is the best insecticide for scale, aphid, red spider, mealy bug, thrip and worms. Dilute in the proportion of one pint to twenty gallons of water. Apply with vaporizer or syringe. ½ pt., 40c; pt., 75c; qt., \$1.25; ½ gal., \$2.25; gal., \$4.00.

**Fir Tree Oil Soap.** This is the same as the Fir Tree Oil, but in soap form. It is useful for the same purposes. Mix at rate of one ounce to a gallon of water, and apply with bellows or syringe. ¼-lb. tin, 25c; 2-lb. tin, 75c; 5-lb. tin, \$1.75.

**Dalmatian Insect Powder.** Effective against almost all kinds of insects. ½-lb. box, 30c; 1-lb. box, 50c.

**Gishurst's Compound.** A certain remedy for greenfly, scale, mealy bug, etc. Excellent for greenhouse use. Full directions for use on each box. 1-lb. box, 50c.

**Hammond's Grape Dust** For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows. 5-lb. package, 35c; 10-lb. package, 60c; 100-lb. keg, \$5.00.

**Hellebore, Powdered.** An excellent protection from currant worms, grape slugs, caterpillars, etc. May be applied dry or mixed in water—one ounce to three gallons. 2-lb. box, 35c; 1-lb. box, 20c; ½-lb. box, 12c.

**Whale Oil Soap.** For washing trees and destroying all insects on the bark. Mixed at the rate of one pound to four gallons of water, it will rid cabbage, rose bushes, peach trees, etc., of the aphides that so often infest them. 1-lb. box, 18c; 5 lbs., 50c; 10 lbs., 90c; 100-lb. keg, \$7.00.



**Paris Green.** Mixed at rate of one pound to 200 gallons of water, it will prove effective against all chewing insects. 1-lb. can, 35c; ½-lb. can, 20c; ¼-lb. can, 15c. This article is liable to fluctuate in price. **Special prices on large lots.**

**Slug Shot (Hammond's).** Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, etc. Prepared ready for use. 5-lb. pkg., 30c; 10-lb. pkg., 50c; 100 lbs., \$4.00.

**Tobacco Dust.** If dusted on while the foliage is moist it destroys rose lice, cabbage and turnip fleas, etc. Spread upon the ground it keeps off all earth insects, and also acts as an excellent fertilizer. 1-lb. box, 10c; 5-lb. package, 30c; 10-lb. package, 50c; 100 lbs., \$2.50.

**Tobacco Stems.** For fumigating plants infested with greenfly. Bale of about 100 lbs., \$1.50; bale of about 200 lbs., \$2.75; bale of about 400 lbs., \$4.50.



## GARDENING TOOLS AND SUPPLIES.

Prices given below do not include Prepaying of Charges except where noted.

**Bellows.** Used for dusting plants with sulphur. Two sizes, each \$1.00 and \$1.25.

**Dibbers.** For transplanting vegetable plants, steel points. Each, 25c.; by mail, 50c.

**Fumigators.** For fumigating plants with tobacco smoke. No. 1, \$1.50; No. 2, \$2.50; No. 3, \$3.50.

**Garden Lines.** Best braided. 200 ft., \$1.25; 100 ft., 65c.

**Garden Line Reels.** Each, 60c.

**Glass Cutters.** Diamond Universal, \$3.50.

**Glass Cutter and Glazing Tool.** Each, 10c.; doz., \$1.00.

**Hand Cart.** Has  $\frac{3}{4}$  in. iron axle, 29 $\frac{1}{2}$  in. long; wheels 30 in. high and tire 1 $\frac{3}{16}$ . Box, 20x32 in. outside, and 10 in. high. Weight, 50 lbs. A very handy cart for light work. Price, \$7.00.

**Hoes, Scuffle.** Price, without handles, 6 in., 35c.; 7 in., 45c.; 8 in., 55c.; 9 in., 65c.

**Hoes, Dutch Garden.** Each, 40c.

**Hoes, Warren.** No. 1, 65c.; No. 2, 85c.

**Hose Nozzle.** Standard, with stream and 2 in. spray, 80c.;  $2\frac{1}{2}$  in. spray, \$1.00.

**Horse Radish Grater.** No. 1, capacity 50 lbs. of roots per hour. Weight, 38 lbs. Price, \$8.00.

**Knives, Asparagus.** Imported, each, 90c. American, each, 35c.

**Knives, Budding.** Blades are of best English steel. Handles German silver or horn. Two styles of blades, A and B. Each, 50c., post-paid.

**Knives, English Budding.** Ivory handle. No. 1, each, \$1.00. Black handle, ivory tip, No. 2, each, 75c.

**Knives, Pruning.** Stag handle, bent blade. No. 3, each, 90c.; No. 4, \$1.25. Straight blade, each, \$1.15.

**Knives, Seed Potato.** Humphrey's concave (see cut). Each, 30c., post-paid.

**Mole Traps, Hales.** The best trap in use. Each, \$2.00.

**Mole Traps, Perfection.** A good trap, highly recommended by eastern seedsmen. Each, \$2.00.

**Patent Protecting Cloth for Hot Beds.** Largely used in place of glass for protecting plants in early spring. The material used in its preparation renders it very tough and durable, prevents it from shrinking, and causes it also to be partially waterproof. Heavy grade most suitable for all purposes. Per yd., 12c.; by mail, 21c., post-paid.

**Potato Fork.** Nine tined. Each, \$2.25.



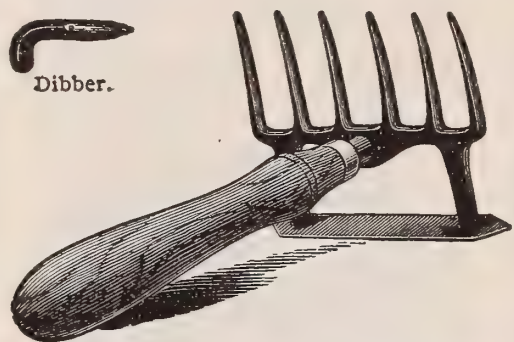
Excelsior Weeder.



Hazeltine Weeder.



Dibber.



Combination Hand Weeder.



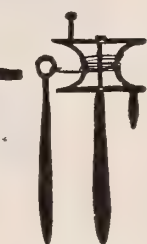
Protecting Cloth for Hot Beds.



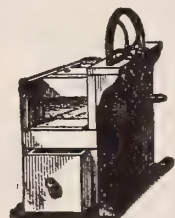
Sulphur Bellows.



Humphrey's Concave Potato Knife.



Garden Line Reel.



Horse Radish Grater.



GRADED GARDEN LINE



Scollay's Sprinkler.



Fumigator.

**Rakes, Garden.** Steel, sixteen teeth. Each, 75c.

**Rakes, Davis Lawn.** Each, 65c.

**Saws, Boynton's Pruning.** The best pruning saw made; has holes in handle for attaching pole. Each, 16 in., 85c.; 18 in., \$1.00; 20 in., \$1.25.

**Sprinklers, Scollay's Rubber.** Very fine for floral work or pot plants. Also very useful for dampening clothes or any kind of sprinkling. Made of the very best rubber. First size, \$1.16; medium, 70c.; small, 60c., pre-paid.

**Transplanter, The Avery.** An indispensable tool for gardeners. It is by far the best transplanter on the market. Small hand size, 50c.; large, two-hand size, \$2.00.

**We aim to carry a full line of Garden Requisites. If what you want is not listed, write for it.**

**Turf Edger.** For trimming walks, round edge. Each, 60c.; square edge, 65c.; including handle.

**Weeders, Bee.** Each, 15c., post-paid.

**Weeders, Noyes'.** An old standard tool. Each, 25c.; post-paid, 30c.

**Weeders, Hazeltine.** Made of best steel, good size and very durable. Each, 20c.; post-paid, 25c.

**Weeders, Excelsior.** A very useful tool for the garden. Each, 15c.; post-paid, 20c.

**Weeders, Lang's Hand.** A very good tool, allowing the use of hand while using. Each, 25c.; post-paid, 30c.

**Trowels.** Ordinary. Each, 5 in., 15c.; 6 in., 20c.; 7 in., 25c.; 8 in., 30c. Solid steel, 6 in., 50c.; 7 in., 60c.; 8 in., 70c.; post-paid.

**Putty Bulb.** Rubber, excellent for glazing. A pressure with the hand ejects the putty along the sash bars. Each, \$1.00; by mail, \$1.10.

**Thermometers, Siexe's Self-Registering.** This is perfectly true, and registers both heat and cold. Easily reset with a horseshoe magnet which accompanies each. \$3.00.

**Thermometers.** Tincase. 8 in., each, 25c.; not prepaid.

**Thermometers, Standard.** Wood case. Each, 45c.; not prepaid.

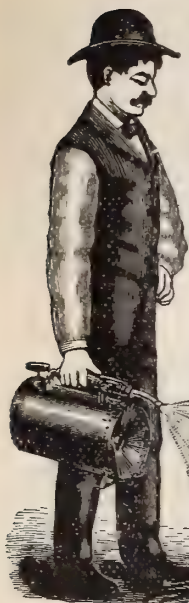
**Thermometers, Imported German.** All glass, for propagating beds and hot beds. Each, \$1.00



# MISCELLANEOUS GARDEN REQUISITES.

Purchaser Pays the Postage, Expressage or Freight, Except where Noted Otherwise.

## COMPRESSED AIR SPRAYERS.



**The Fountain**—By the use of this machine you can relieve yourself of much anxious care. It is not a complicated machine. Its construction is simple. It won't get out of order. It is self-operating by the use of compressed air. It is made of No. 20 galvanized iron, it is thoroughly riveted and will stand a pressure of fifty pounds, and is guaranteed from end to end. Our cut shows the spray as used in spraying potatoes. It can be used for spraying shrubbery, trees, vines or any high growing plant by simply adding a length of rubber hose. *It is a wonder, and will prove of great value to farmers, gardeners or fruit growers. It beats them all.* Price \$5.00.

**Utica Compressed Air Sprayer**—This sprayer we sold to our gardener customers last season with the most satisfactory results. It is smaller than the Fountain sprayer, and is recommended to those who do not grow on a large scale. Price, \$1.50.

**Other Standard Cheaper Sprayers**—Single Tube Sprayer, 75c. Double Tube Sprayer, \$1.10. The above sprayers do good work, but are inferior to the higher priced, and require the use of more time to do the work.

## COPPER KNAPSACK SPRAYERS.

<b>Stahl's (Copper.)</b> Holds four gallons.....	\$10 00
<b>Success.</b> 5 gallons, \$11.00 With kerosene attachment.....	16 00
<b>Auto-Spray.</b> Holds 4 gallons, easily carried, one pumping will spray fifteen minutes. Galvanized iron, \$4.50; copper.....	6 00
Extension rod, 24 inches long.....	25

The Fountain Sprayer.



See Page 103.



See Page 103.

## Hotbed Mats.

Straw, 3x6, 85c; 6x6...	\$1 25
Burlap, 40x76 in.....	85
" 76x76 in.....	1 15
With one side canvas	
40x76, \$1.25; 76x76..	1 50

## Labels. Wooden, pot

Size	Per 100	Per 1,000
3 1/2 inch....	\$0 10	\$0 75
4 ".....	12	85
4 1/2 ".....	15	1 00
5 ".....	20	1 10
6 ".....	25	1 25
8 ".....	35	2 50
10 ".....	50	4 00
12 ".....	75	5 25

<b>Labels.</b> For trees and shrubs, 3 1/2 inch, notched or pierced. Per 100.....	\$0 15
Per 1,000.....	1 00
With wire, per 100.....	25
Per 1,000.....	1 25
<b>Copper, indestructible,</b>	
No. 2, per doz.....	30
Per gross.....	2 00
<b>Zinc, No. 2, per doz...</b>	25
Per gross.....	1 75
<b>White metal, per doz..</b>	15
Per gross.....	1 25
<b>Zinc, tree, heavy, small,</b>	
100, 60c; medium....	1 50
large.....	3 00

**Label Ink.** Indelible, for heavy zinc labels (use with ordinary pen) per bottle, 25c.

**Label Pencils.** Indelible, 5c; per doz., 50c.

**Stakes.** Light tapering, round, painted green:

1 1/2 feet, doz. \$0 15; 100... \$0 90	3 feet, doz. \$0 46; 100... \$2 95
2 " " 25; " " 1 55	3 1/2 " " 58; " " 3 70
2 1/2 " " 38; " " 2 35	4 " " 67; " " 4 30
	5 " " 78; " " 5 00

**Heavy dahlia, round, painted green:**

3 feet, doz. \$0 67; 100... \$4 30	5 feet, doz. \$1 10; 100... \$7 10
4 " " 88; " " 5 70	6 " " 1 30; " " 8 50

**Square, tapering, painted green, 3 to 6 ft., suitable for dahlias and large plants:**

1 1/2 feet, doz. \$0 12; 100... \$0 85	3 1/2 feet, doz. \$0 45; 100... \$3 00
2 " " 25; " " 1 50	4 " " 50; " " 3 50
2 1/2 " " 30; " " 1 75	5 " " 65; " " 4 25
3 " " 40; " " 2 75	6 " " 80; " " 5 50

**Shears.** Tree pruning, Waters', 4 ft., 75c; 6 ft. 85c;

8 ft. \$1.00; 10 ft. \$1.15; 12 ft. \$1.25	
Tree pruning, Clipper, 8 ft. \$1.00; 10 ft. \$1.25; 12 ft. \$1.50	
Tree pruning, Telegraph, without pole.....	1 00
Blades for Waters' or Telegraph shears.....	25
Sheep or grass, English, 7 1/2 in., \$1 00; with insile spring, \$1.15; American, 35c, 50c and.....	75



Powder Bellows.

<b>Woodason's Double Cone Powder Bellows.....</b>	\$3 00
Large Single Cone.....	1 75
Small Single Cone.....	1 00
Small Spray.....	\$1 25
Large Spray.....	1 75
Sulphur.....	1 50

## POWDER GUNS.

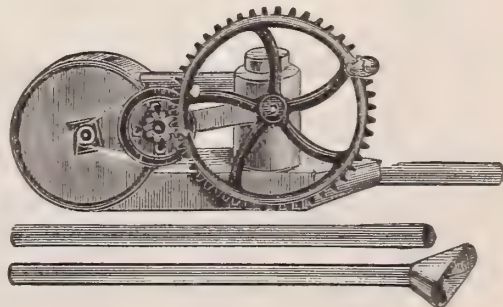
**The Champion Powder Gun** does efficient work on Potatoes, Cabbage, Tomatoes, etc., in fact all garden and field crops. The gun will cover one or two rows as rapidly as a man walks. By the use of extension tubes the gun can be used on fruit trees.

Price.....\$7 50

**Leggett's Little Giant.** The best dry powder gun, can dust two rows at a time. Each.....\$5 00



Champion Powder Gun.



Little Giant Powder Gun.



## MATHEWS' UNIVERSAL GARDEN TOOLS.



MATHEWS' UNIVERSAL SEED DRILL.

### MATHEWS' NEW UNIVERSAL DRILL.

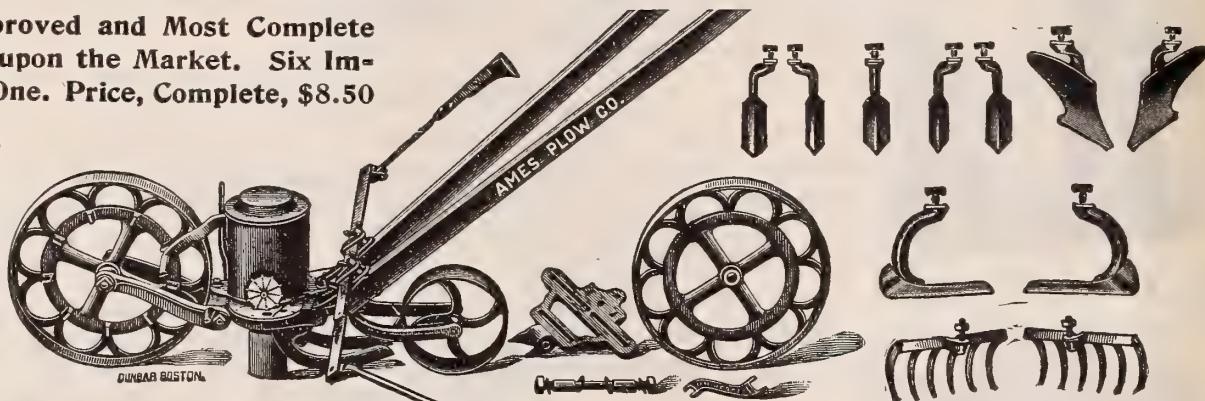
It works on the agitator principle, which is certain in its action, and much preferable to any other method in dropping the seed, and besides there is nothing liable to get out of order or bind in the operation. It opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the drill forward. It sows with evenness and rapidity peas, beans, broom corn, onion, beet, carrot, parsnip, sage, etc. It is provided with an indicator having the names of different seeds thereon. Before planting turn the indicator around until the name of the seed to be sown comes to the pin at the top. The index is right under your eye while the hopper is easily watched.

The flow of seed can be instantly shut off by means of the attachment shown on the handle. Beware of cheap imitations of this drill. None genuine but those having the patent indicator. Price boxed, \$6.25.

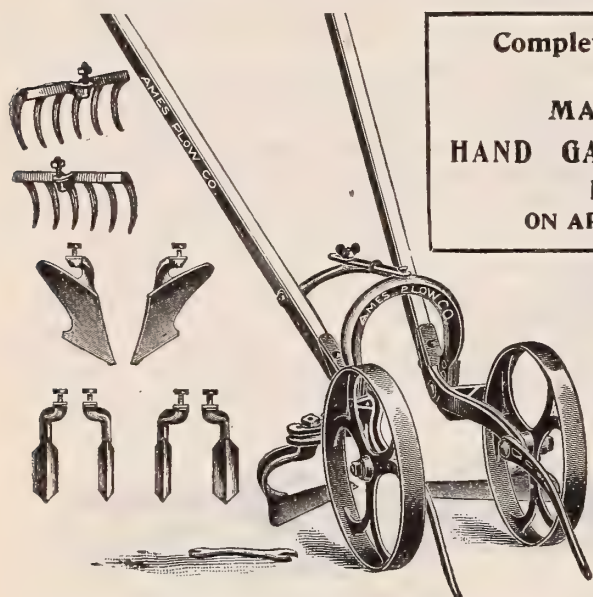
### MATHEWS' NEW UNIVERSAL CONSTELLATION DRILL.

The Latest Improved and Most Complete Combination upon the Market. Six Implements in One. Price, Complete, \$8.50

This complete tool is especially recommended to those who have gardens which are not sufficiently large to warrant the cost of several different tools. It takes the place of all.



MATHEWS' NEW UNIVERSAL CONSTELLATION DRILL.



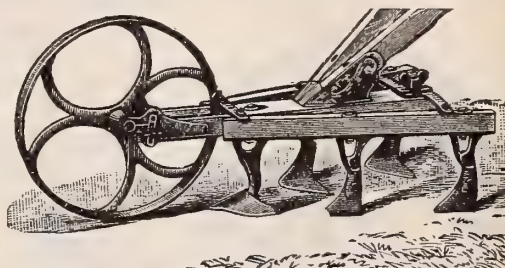
NEW UNIVERSAL DOUBLE WHEEL HOE.

Complete Catalogue  
OF  
MATHEWS'  
HAND GARDEN TOOLS  
FREE  
ON APPLICATION.

Onion growers should have in addition to this five-tooth cultivator our McGee Garden Cultivator, on page 108.

### MATHEWS' HAND CULTIVATOR.

This is one of the best implements in use for weeding between row crops, and for flat cultivation generally, and is an indispensable companion implement to the seed drill. It is thoroughly constructed, very durable, and easy to operate. It spreads from six to fourteen inches, and will cut all the ground covered, even when spread to its greatest extent. The depth of cultivating may be accurately gauged by raising or lowering the wheel, which is quickly done. Prices complete, as in cut. Cultivator with five teeth, \$4.75; with two weeding blades only, \$4.25.



MATHEWS' HAND CULTIVATOR.

### NEW UNIVERSAL DOUBLE WHEEL HOE.

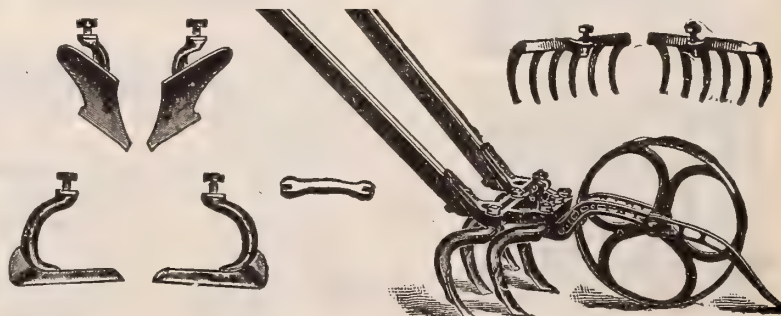
Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and, in addition, offers new features which cannot fail of appreciation. The special recommendation is the adjustable arch, by which not only the depth of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired. The attachments are—one pair hoes, four cultivator teeth, one pair plows, one pair rakes and one pair vine guards. Price, \$5.00; with one pair hoes only. The same machine as the foregoing, rakes, plows, cultivator teeth and leaf guards omitted. Price, \$3.25.

### NEW UNIVERSAL SINGLE WHEEL HOE.

This is an improvement over other tools of this type. It can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation, the wheel can be set to one side, so as to bring the row of young plants under center of frame. The adjustment for graduating the depth of cultivation is unique and readily accomplished. The attachments are one pair hoes, five cultivator teeth, one pair plows, one pair rakes, and one vine or leaf guard.

PRICE, boxed, with all attachments.....\$4.50.

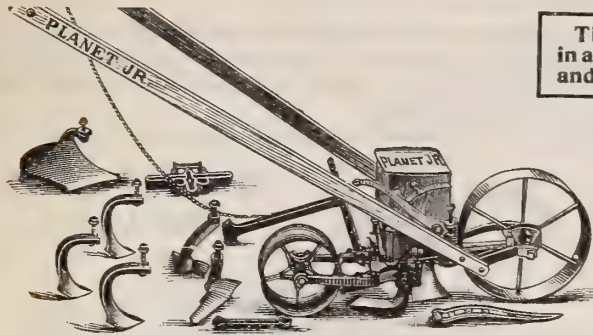
If one pair Hoe Blades, only.....\$3.00



NEW UNIVERSAL SINGLE WHEEL HOE.



# "PLANET JR." FARM AND GARDEN TOOLS.



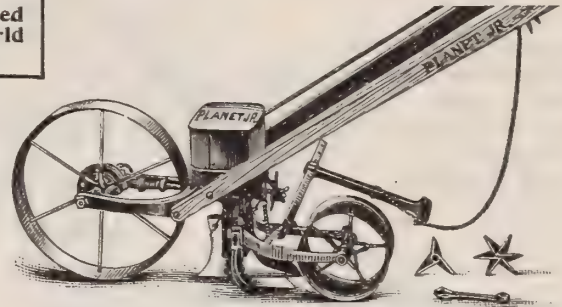
"Planet Jr." No. 4 Drill.

## "PLANET JR." No. 4.

Hill and Drill Seeder Combined with Single Wheel Hoe.

The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. With this one implement the small gardener can do practically all the work in his crops. Prices, complete, \$9.50; as a drill only, \$7.50.

These Tools are used in all parts of the world and for all crops.



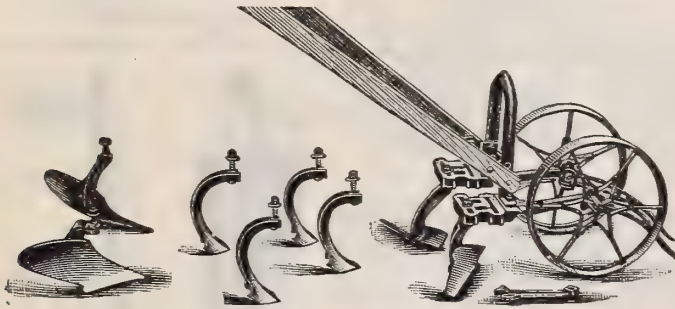
"Planet Jr." No. 5 Drill,

## "PLANET JR." No. 5 DRILL.

The No. 5 is the Latest and Most Perfect of the Planet Seed Drills.

It sows evenly in drills and also drops in hills at 4, 6, 8, 12 or 24 inches. No time is lost; no seed is wasted. It sows equally well with a full hopper or a tablespoonful of seed. Hopper holds five quarts. Price, \$12.50.

"Planet Jr." Complete Catalogue sent free to all who apply for it.



"Planet Jr." No. 12.

## "PLANET JR." No. 12.

Double Wheel Hoe.

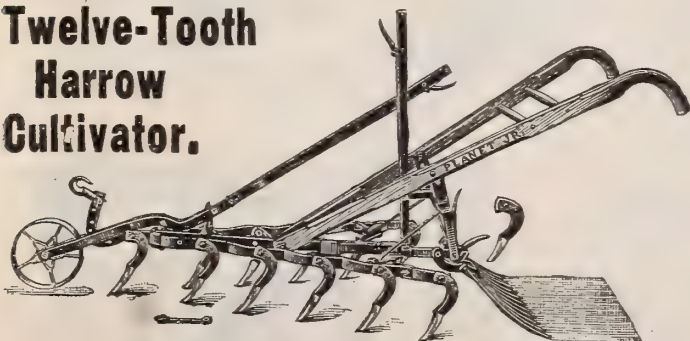
This is the standard complete double wheel hoe. It is a useful tool to all gardeners, and can be adjusted to do all kinds of work. The No. 11 tool, not shown here, is the same as this one, but has more attachments and is sold for \$2.00 more in price. The additional tools may be added to this machine at any time by paying the additional cost. Price, \$6.50.

## "PLANET JR." No. 13.

Plain Double Wheel Hoe.

Same as No. 12, but has three-inch hoes only. This is a very useful tool and is low in price. Price, \$4.50.

## Twelve-Tooth Harrow Cultivator.



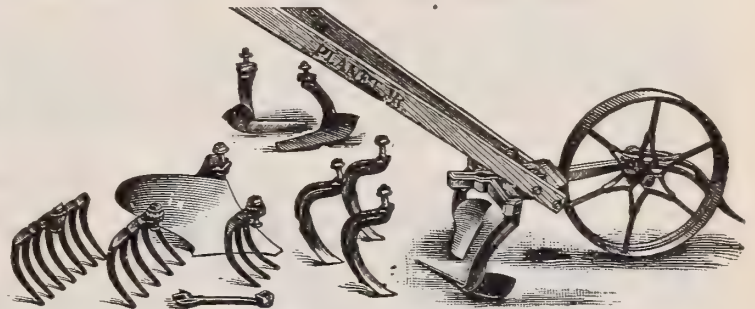
"Planet Jr." Twelve-Tooth Harrow.

## "PLANET JR."

Twelve-Tooth Harrow Cultivator.

This tool has rapidly grown in favor with farmers and market gardeners. It has a high frame and the chisel shaped teeth cut an inch wide. It may be set with teeth trailing. Price, plain, \$5.00. Price, with wheel, \$6.00. Price, complete \$7.50.

There are many other "Planet Jr." Horse Hoes and Cultivators. Send for Catalogue if interested.



"Planet Jr." No. 16.

## "PLANET JR." No. 16.

Single Wheel Hoe.

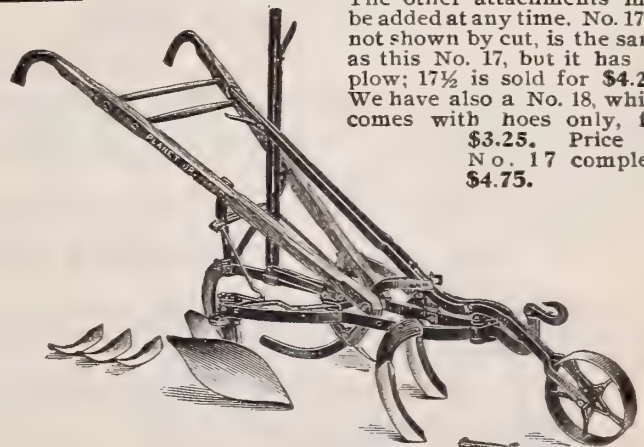
This is the latest and best complete single wheel hoe. It has a very full set of tools and will do all manner of work. It has adjustable handles and quick change frame. Price, \$5 50.

## "PLANET JR." No. 17.

Single Wheel Hoe.

This tool is identical with No. 16, but has only a pair of six-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

The other attachments may be added at any time. No. 17½, not shown by cut, is the same as this No. 17, but it has no plow; 17½ is sold for \$4.25. We have also a No. 18, which comes with hoes only, for \$3.25. Price of No. 17 complete \$4.75.



"Planet Jr." No. 7 Horse Hoe.

## "PLANET JR." No. 7.

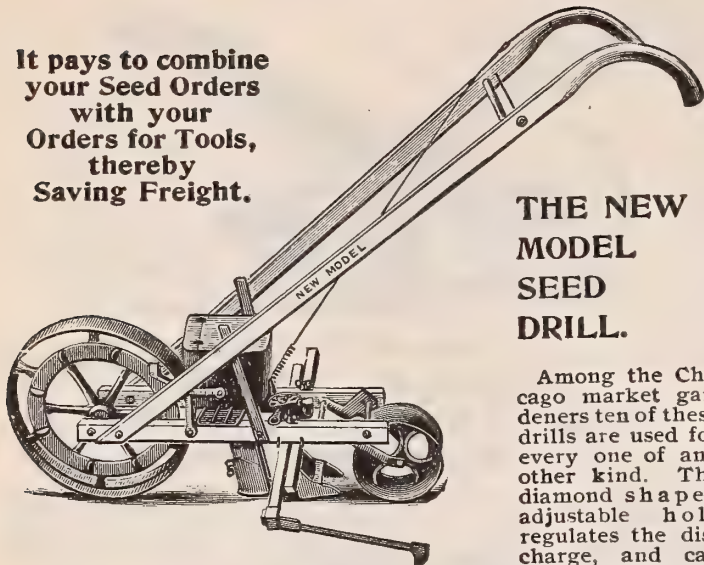
Horse Hoe.

This standard horse hoe is used everywhere. It is the best made and most serviceable horse hoe in the market. It has every modern improvement. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. Price, \$7.50.



# TOOLS FOR GARDEN AND FARM.

It pays to combine  
your Seed Orders  
with your  
Orders for Tools,  
thereby  
Saving Freight.



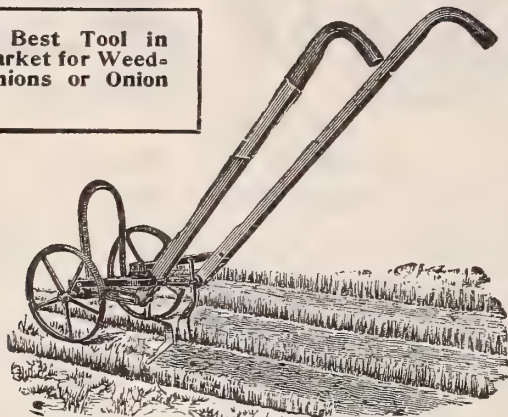
New Model Seed Drill.

## THE NEW MODEL SEED DRILL.

Among the Chicago market gardeners ten of these drills are used for every one of any other kind. The diamond shaped adjustable hole regulates the discharge, and can be made larger or smaller, as occasion requires. No

other drill has this advantage. The seed cut-off claps up underneath the hole; it does not slide under the same, as in other similar drills; on this account it does not clog nor cut the seed. It has a broad wheel and a covering roller. The opening plow is adjustable in depth. The whole make-up of the drill is simple. It can be worked by any one. Price, \$7.50.

The Best Tool in  
the Market for Weed-  
ing Onions or Onion  
Sets.



McGee Cultivator.

## THE MCGEE CULTIVATOR.

There may be better cultivators than this one on the market now, but it still has many friends, and for many years it has been the most popular of our hand cultivators. It is made with a high arch, straddles the row and works to or from the vegetable by simply moving the handles. It is made with weeding knives and cultivating blades. Price, \$4.00.

## THE DECATUR GARDEN PLOW

is a most desirable implement for farmers, truck gardeners or home gardeners. It is a strictly hand tool, weighs but fourteen pounds, and is readily and successfully handled even by a child.

## THE DECATUR GARDEN PLOW

is preferable above all others for its reversible feature. You have two tools always ready for instant use.

The attachments are interchangeable and can be used on either end of arch, as shown in cut. You adjust the handle for the tallest man or smallest child by simply changing cotter pin to any hole to suit the height desired. It is provided with Plow, Stirring Shovels or Surface Shovel, Harrow and Wrench. These tools are built of the finest plow steel and fully guaranteed. All parts are steel or malleable, except handle of hard wood, all nicely painted and varnished. Height of steel wheel is sixteen inches.

## STYLE NO. 1

furnished regular with Plow, three Stirring Points, Sweep and Wrench. Harrow furnished in place of two Stirring Points if so ordered, or extra at 50c. Price, \$4.00.

We aim to supply all Garden and Farm Tools. We have circulars and information at hand on many things that we have no space to list. Write for prices and circulars on any tools you may need.



## THE IRON KING SEED DRILL.

This seed drill is used by many onion growers and market gardeners, and is considered by those who use it, one of the very best drills. The endless chain arrangement which agitates the seed, makes no noise while sowing, and it has many other good points which other drills lack. Price, \$7.00.

A Favorite Onion Seeder  
on marsh land.

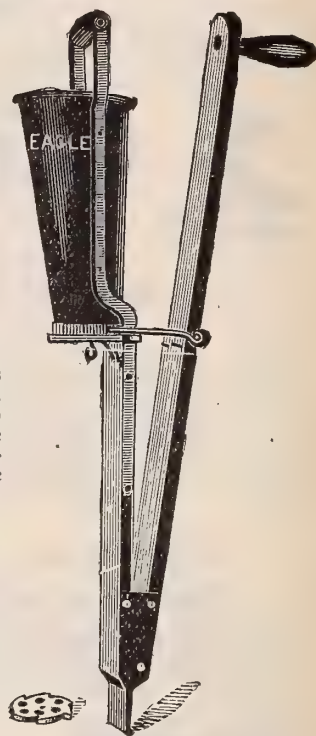
Iron King Seed Drill.

## HAND CORN PLANTERS. THE EAGLE.

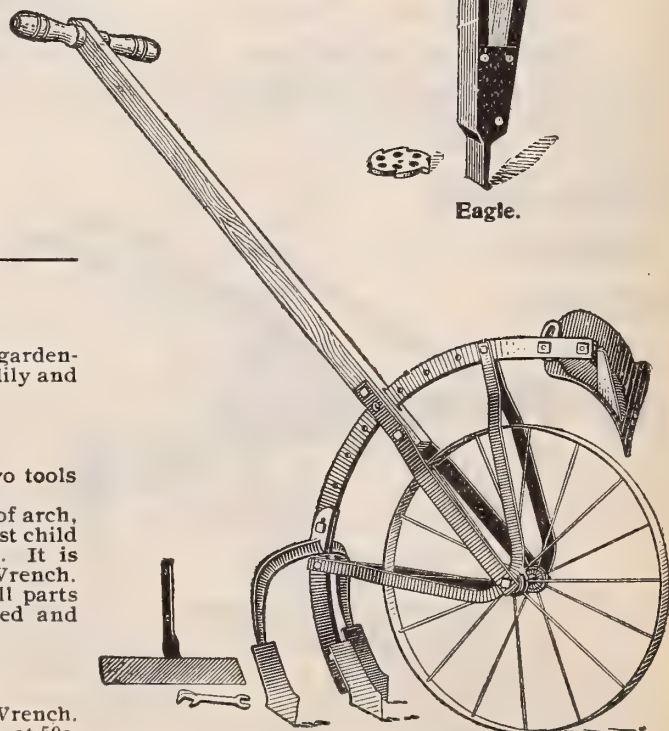
This is a rotary planter, having three different sized plates, which can be put in or taken out as needed in the easiest manner. It is the most popular planter of all. Each, \$1.25.

## THE CHAMPION.

This is a very popular hand planter with market gardeners. It is a one-hand machine and has a pumpkin seed compartment which enables the operator to sow pumpkin seed at the same time as corn. We can fully recommend this tool to any one who needs a good hand planter. Each, \$1.50.



Eagle.



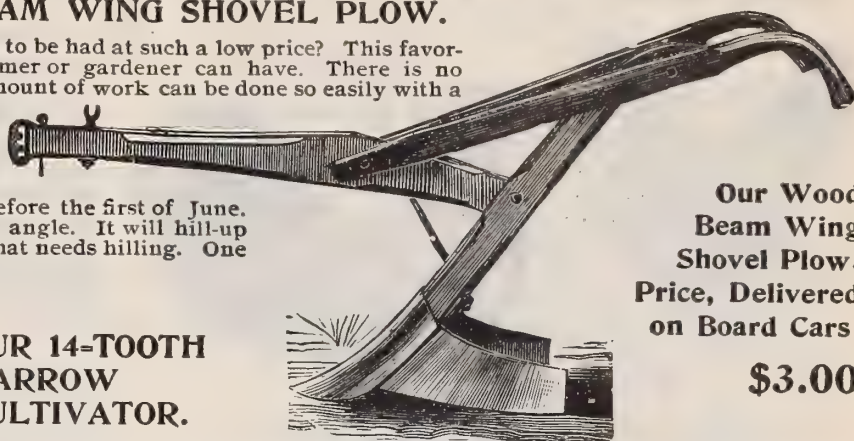
Decatur Garden Plow.



# TOOLS FOR FARM AND GARDEN.

## OUR WOOD BEAM WING SHOVEL PLOW.

Who will do without this valuable tool when it is to be had at such a low price? This favorite shovel plow is one of the most useful tools any farmer or gardener can have. There is no excuse for slaving with a hoe, when ten times the amount of work can be done so easily with a shovel plow. There never yet was such a chance to get a good tool so cheap. Send an order for one of these shovel plows with your seed order, and save freight. The workmanship on this shovel plow is right up to the standard; nothing is cheap about it—but the price. It will save ten times its cost in labor before the first of June. The hinge wings are adjustable; can be worked at any angle. It will hill-up anything—cabbages, corn, potatoes and everything that needs hilling. One horse and a boy are all you need to work it.



**Our Wood  
Beam Wing  
Shovel Plow.**  
Price, Delivered  
on Board Cars.  
**\$3.00**

## OUR 14-TOOTH HARROW CULTIVATOR.

Notice this complete steel frame cultivator harrow. It has an expanding lever and a gauging wheel. The fourteen teeth are reversible and adjustable. Every part is put together in first-class shape. No harrow cultivator on the market today is put up better. Hundreds of these harrow cultivators are in use among the Chicago market gardeners, and not a one of them would be willing to do without this tool, if the cost was double what it is. It is the best tool on earth to do away with the weeds when they are small; it roots up every small weed and pulverizes the ground at the same time. It fills a want that no other machine can. We put our price right down to within a shade of actual cost. You cannot beat our price, and you ought to have the tool.

Price,  
Complete,  
with  
Expanding  
Lever  
and  
Wheel,  
**\$4.25**

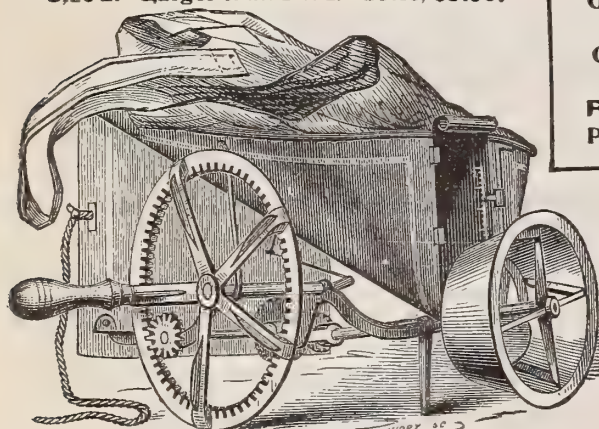


Our 14-Tooth Harrow Cultivator.

## STANDARD WHEELBARROWS.

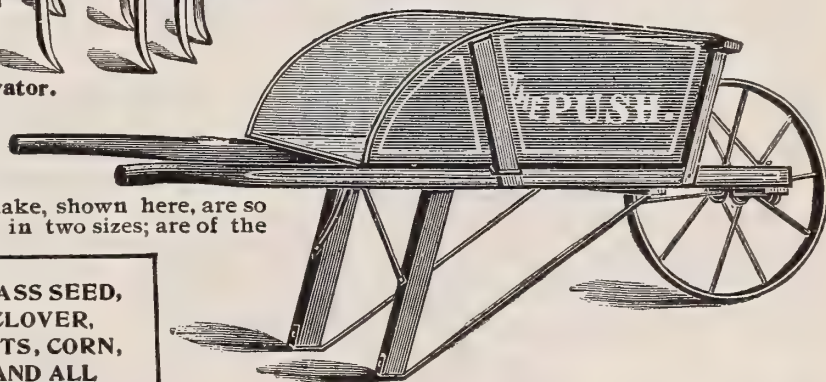
No farmer or gardener can afford to do without a wheelbarrow. The prices we name on the standard make, shown here, are so moderate that it is within reach of all. They are made in two sizes; are of the best material and will give satisfaction to all.

Size 1. As shown in cut. Price, \$3.00.  
Size 2. Larger than No. 1. Price, \$3.50.



Cahoon Seeder.

GRASS SEED,  
CLOVER,  
OATS, CORN,  
AND ALL  
FARM SEEDS,  
Pages 66 to 77.



## BROADCAST SEEDERS.

**THE CAHOON.** This well known broadcast seed sower is considered among the best. It is easily worked and sows timothy, clover, flax, wheat, oats, rye, barley, all kinds of grass, and may be used by the gardener for spinach seed or any other kind which he may wish to sow broadcast. Each, \$2.75.

**THE GRANGER.** This sower is similar to the Cahoon in size and general appearance. It works easily, is of strong make and will sow evenly and satisfactorily grain, grass, clover and all farm seeds which are sown broadcast. Each, \$2.00.

**THE CYCLONE.** A seeder which is becoming very popular. It differs from the above mentioned kinds in construction, but does about the same work. It is a cheaper machine and a good one. Each, \$1.50.



## THE CHICAGO.

This is the best of the fiddle-bow seeders.

Thousands of them are in use, and they give the very best of satisfaction.

Each, 90 cents.

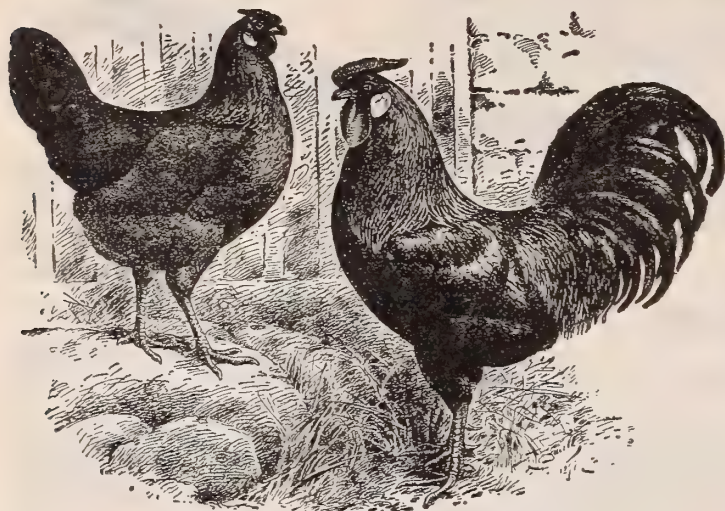




All Prices are Subject to  
Market Changes.

## POULTRY SUPPLIES.

Don't Forget Sunflower  
Seed for Feeding.



### CRUSHED OYSTER SHELLS.

Crushed oyster shells, to a large extent, will supply the necessary material for grinding their food and at the same time furnish lime for the egg shells. Chemical analysis and experiments, together with the reports from many practical poultry men, show conclusively that the ordinary grain and the green food supplied to laying hens do not contain enough lime for the formation of the egg shells. It will require several times as much lime as is ordinarily fed, if good strong egg shells are to be produced. Crushed oyster shells will supply this necessary lime if kept continually before the fowls, trusting to them to eat the amount needed rather than mixing the shells with food. The judgment of the fowls can be relied upon in this respect.

#### PRICES.

100 Lbs.....	\$0 65	5 Lbs.....	\$0 10
200 ".....	1 25	10 ".....	15
500 ".....	3 00	25 ".....	25
1000 ".....	5 50	50 ".....	45

### PEARL SHELL GRIT.

Pearl grit is a crushed shell obtained in connection with the manufacture of pearl buttons. It contains the same amount of lime, but less salt than Oyster Shell and acts as a grit in grinding the food of fowls, birds, pigeons, etc., making by far the most serviceable and economical grit upon the market. We can furnish this grit in any quantity desired. Many leading poultry men now use Pearl grit exclusively.

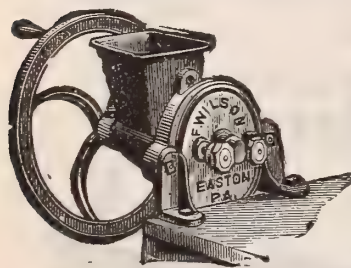
#### PRICES.

100 Lbs.....	\$0 60	5 Lbs.....	\$0 10
200 ".....	1 10	25 ".....	25
500 ".....	2 50	50 ".....	40

### POULTRY NETTING.

Prices Subject to Market Changes.

Poultry Netting, Regular 2 inch Mesh, in widths of 1, 2, 3, 4, 5 and 6 feet, less than full rolls, per 100 square feet..	60c
Full rolls of 150 lineal feet, per 100 square feet.....	55c
Five roll lots, per 100 square feet.....	50c
Poultry Netting, 1 inch chick mesh, in widths 1, 2, 3, 4 and 5 feet, less than full rolls, per 100 square feet.....	\$1 00
Full rolls of 150 lineal feet, per 100 square feet.....	90c
Five roll lot, per 100 square feet.....	85c
Rust's Egg Producer, lb. box, 25c; 2 1/2 lb. box, 50c; 6 lb. box.....	\$1.00
Pratt's Poultry Food, 1/2 lb. pkg., 10c; 5 lb. pkg., 60c; 25 lb. bag.....	2.50
Egg-O, 2 lb. pkg., 25c; 10 lb. bag.....	1.00
Linseed Meal, 10 lbs., 75c; 25 lbs., \$1.40; 100 lbs.....	5.00

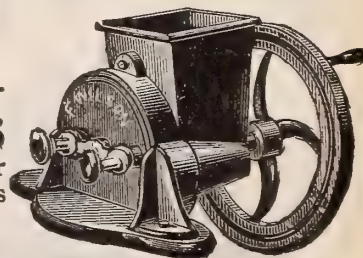


No. 1.

### WILSON'S MILLS.

For poultry raisers the Wilson Mills are almost indispensable. They can be used for grinding oyster shells, bones, stones, old crockery, etc. The Grist Mill No. 0 for grinding into meal all sorts of corn, wheat and other grain. The Bone Mill No. 1 for grinding oyster shells or any other hard substance.

Prices—Grist Mill, \$3.50; Bone Mill, \$4.00.  
Stand, \$2.00 extra.



No. 0.

Except where noted otherwise the prices are all net, delivered at the express office or freight depots at Chicago: Purchasers in all cases pay freight or express charges.

### BLATCHFORD'S POULTRY MEATS.

In 4 pound bags.....	\$ 35
In 10 pound bags.....	70
In 20 pound bags.....	1 25
In 50 pound bags.....	2 75
In 100 pound bags.....	5 00

### MICA CRYSTAL GRIT.

Examination of 100 gizzards taken from chickens supposed to have died from Cholera, had no grit of any kind to digest their food, and in each case Diarrhea existed 3 or 4 days before death, and food had passed through gizzard just as eaten, proving that indigestion alone was responsible. Analysis furthermore proves that Mica Crystal grit is the only rock known showing the combination of Mica, Quartz, Aluminum, Iron and Magnesium, essential to all poultry.

We carry in stock three sizes. Large for old poultry, geese, ducks and turkeys. Medium for pigeons, and small size for young chickens.

#### PRICES.

100 Lbs.....	\$0 75	5 Lbs.....	\$0 10
500 ".....	3 35	25 ".....	30
1000 ".....	6 00	50 ".....	45

### MISCELLANEOUS POULTRY FOODS.

Midland Poultry Food, in 2 Bu. sacks, each,	\$2 00
Clover Meal, 10 Lb. bag, 40c; 50 Lb. bag,	1 00
100 Lb. bag.....	2 00
Cut Clover Hay, put up in 50 lb. sacks, price,	1 00
Yankee Corn, Pk., 50c; Bu., \$1.50; 10 Bu.,	12 50
Sunflower Seed, 5 Lbs., 30c; 10 Lbs., 50c;	
100 Lbs.....	3 50

Millet, Peas, Wheat, and all Grains.  
Market Prices on Application.

Mixed Grain Screenings, Split Peas, Screenings, "Mixed Chicken Feed," Samples and prices on application. We are at times in a good position to offer exceptional values in screenings owing to our large milling operations in recleaning grains and seeds. Write us.

### LIGHTNING LICE KILLING POWDER.

Our Lightning Lice Killing Powder is put up in strong airtight tin cans. We mail the powder to any part of the United States and Canada with an additional cost of only one cent per ounce. The prices are as follows: 1/2 Lb., 25c; 1 Lb., 50c. By mail with the postage paid to your nearest postoffice, 1/2 Lb., 35c; 1 Lb., 65c.

### "JUMBO" INSECT POWDER GUN.

Designed to distribute any fine powder. Very useful in dusting hens with powder or blowing it into cracks and crevices. Jumbo Powder Guns, 25c; postpaid, 30c.

WRITE FOR OTHER INFORMATION.



## REFERENCE TABLES.

## Weight of Various Articles.

	Per bush
Apples.....	48 lbs
" dried.....	22 "
Barley.....	48 "
Beans.....	60 "
Buckwheat.....	48 "
Bluegrass, Kentucky..	14 "
" English.....	24 "
Bran.....	20 "
Canary Seed.....	60 "
Clover Seed.....	60 "
Corn, field, shelled..	56 "
" " on ear.....	70 "
" sweet, sold by measured bushel.	
Corn Meal.....	50 "
Cranberries.....	40 "
Dried Peaches.....	28 "
Flax Seed.....	56 "
Fowl Meadow.....	12 "
Hemp Seed.....	44 "
Hungarian.....	48 "
Millet.....	50 "
Oats.....	32 "
Onions.....	54 "
Orchard Grass.....	14 "
Osage Orange.....	33 "
Peach Pitts.....	50 "
Peas, smooth.....	60 "
" wrinkled.....	56 "
Perennial Rye.....	20 "
Potatoes, <i>heaping</i> <i>measure</i> .....	60 "
Rape.....	50 "
Rye.....	56 "
Red Top.....	14 "
Salt, coarse.....	50 "
" Michigan.....	56 "
Sweet Potatoes.....	56 "
Timothy Seed.....	45 "
Turnips.....	58 "
Wheat.....	60 "
Flour, per bbl., net	196 "
Salt, " ".....	280 "

## WEIGHT PER CUBIC FOOT.

Hay, well settled.....	4½ lbs.
Corn, on cob, in bin.....	22 "
" shelled, ".....	45 "
Wheat, ".....	48 "
Oats, ".....	25½ "
Potatoes, ".....	38½ "

## Number of Plants or Trees to the Acre at Given Distances.

Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.
12x 1 in.....	522,720	24x24 in.....	10,890	36x36 in.....	4,840	60x60 in.....	1,743
12x 3 ".....	174,240	30x 1 ".....	209,088	42x12 ".....	12,446	8x 1 ft.....	5,445
12x12 ".....	43,560	30x 6 ".....	34,848	42x24 ".....	6,223	8x 3 ".....	1,815
16x 1 ".....	392,040	30x12 ".....	17,424	42x36 ".....	4,148	8x 8 ".....	680
18x 1 ".....	348,480	30x16 ".....	13,068	48x12 ".....	10,890	10x 1 ".....	4,356
18x 3 ".....	116,160	30x20 ".....	10,454	48x18 ".....	7,790	10x 6 ".....	726
18x12 ".....	29,040	30x24 ".....	8,712	48x24 ".....	5,445	10x10 ".....	435
18x18 ".....	19,360	30x30 ".....	6,970	48x30 ".....	4,356	12x 1 ".....	3,630
20x 1 ".....	313,635	36x 3 ".....	58,080	48x36 ".....	3,630	12x 5 ".....	736
20x20 ".....	15,681	36x12 ".....	14,520	48x48 ".....	2,723	12x12 ".....	302
24x 1 ".....	261,360	36x18 ".....	9,680	60x36 ".....	2,901	16x 1 ".....	2,722
24x18 ".....	15,520	36x24 ".....	7,260	60x48 ".....	2,178	16x16 ".....	170

## Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre.

	Quantity per acre.		Quantity per acre.
Artichoke, 1 oz. to 500 plants.....	6 oz.	Grass, Timothy.....	¼ bu.
Asparagus, 1 oz. to 800 plants.....	1 lb.	" Orchard, Perennial Rye, Fowl Meadow and Wood Meadow.....	2 bu.
Asparagus Roots.....	1000 to 7250	Hemp.....	½ "
Barley.....	2½ bu.	Horse Radish Roots.....	10,000 to 15,000
Beans, dwarf, 1 pint to 100 ft. of drill.....	1 "	Kale, 1 oz. to 5,000 plants.....	2 oz.
Beans, pole, 1 pint to 100 hills.....	½ "	Kohl Rabi, ½ oz. to 100 feet of drill.....	4 lbs
Beet, garden, 1 oz. to 100 ft. of drill.....	7 lbs.	Leek, ½ oz. to 100 feet of drill.....	4 "
Beet, Mangel, 1 oz. to 100 ft. of drill.....	5 "	Lettuce, ¼ oz. to 100 feet of drill.....	3 "
Broccoli, 1 oz. to 5,000 plants.....	2 oz.	Martynia, 1 oz. to 100 feet of drill.....	5 "
Brussels Sprouts, 1 oz. to 5,000 plants.....	2 "	Melon, Musk, 1 oz. to 100 hills.....	1 to 3 "
Buckwheat.....	½ bu.	" Water, 4 oz. to 100 hills.....	1½ to 4 "
Cabbage, 1 oz. to 3,000 plants.....	2 oz.	Nasturtium, 2 oz. to 100 feet of drill.....	15 "
Carrot, ¼ oz. to 100 feet of drill.....	2½ lbs.	Okra, 1 oz. to 100 feet of drill.....	8 "
Cauliflower, 1 oz. to 3,000 plants.....	2½ oz.	Onion Seed, ½ oz. to 100 feet of drill.....	4 to 5 "
Celery, 1 oz. to 15,000 plants.....	2 "	" " for sets.....	40 to 80 "
Chicory.....	4 lbs.	Onion Sets, 1 quart to 40 feet of drill.....	8 bu.
Clover, Alsike and White Dutch.....	6 "	Parsnip, ¼ oz. to 100 feet of drill.....	3 lbs.
" Lucerne.....	15 to 25 "	Parsley, ¼ oz. to 100 feet of drill.....	3 "
" Crimson Trefoil.....	10 to 15 "	Peas, garden, 1 pint to 100 ft. of drill, 1 to 3 " field.....	2 bu.
" Large Red and Medium.....	8 to 12 "	Pepper, 1 oz. to 1500 plants.....	3 oz.
Collards, 1 oz. to 5,000 plants.....	2 oz.	Pumpkin, ½ qt. to 100 hills.....	3 to 4 lbs.
Corn, rice, (shelled).....	2 qts.	Radish, ½ oz. to 100 feet of drill.....	10 to 12 "
Corn, sweet, ¼ pint to 100 hills.....	6 "	Rye.....	1½ bu.
Cress, ¾ oz. to 100 feet of drill.....	12 lbs.	Salsify, ¼ oz. to 100 feet of drill.....	8 lbs.
Cucumber, 1 oz. to 100 hills.....	1 to 3 "	Spinage, ½ oz. to 100 feet of drill.....	8 "
Egg Plant, 1 oz. to 2,000 plants.....	4 oz.	Spurry.....	15 "
Endive, ¼ oz. to 100 feet of drill.....	4½ lbs.	Summer Savory.....	¾ "
Flax, broadcast.....	½ bu.	Sunflower.....	8 "
Garlic, bulbs, 1 lb. to 10 feet of drill.....		Squash, Summer, 4 oz. to 100 hills.....	2 "
Gourd, 2 oz. to 100 hills.....		" Winter, 8 oz. to 100 hills.....	2 "
Grass, Blue, Kentucky.....	2 bu.	Tomato, 1 oz. to 4,500 plants.....	1 oz.
" Blue, English.....	1 "	Tobacco, 1 oz. to 5,000 plants.....	2 "
" Hungarian and Millet.....	½ "	Turnip, 1 oz. to 250 feet of drill.....	1 to 3 lbs.
" Mixed Lawn.....	3 to 5 "	Vetches.....	2 bu.
" Red Top, Fancy Clean.....	8 to 10 lbs.		
" Red Top, Chaff Seed.....	20 to 28 "		

## BOOKS

FARM, GARDEN, FRUITS,  
FLOWERS, ETC.

Allen's New American Farm Book.....	\$2 00
American Grape Growing and Wine Making.....	1 50
Barry's Fruit Garden.....	2 00
Bommer's Method of Making Manures.....	paper 25
Brill's Farm Gardening and Seed Growing.....	1 00
Broom Corn and Brooms.....	50
Bulbs and Tuberous-Rooted Plants.....	2 00
Cabbages, Cauliflowers, etc., by C. L. Allen.....	50
Celery Growing and Marketing.....	1 00
Elliott's Hand Book for Fruit Growers.....	paper 60
Every Woman Her Own Flower Gardener.....	paper 75
Fuller's Practical Forestry, very Complete.....	1 50
Fuller's Grape Culturist.....	1 50
Fuller's Small Fruit Culturist.....	1 50
Fuller's Strawberry Culturist.....	25
Gregory on Onion Raising.....	paper 30
Gardening for Profit.....	1 50
Gardening for Pleasure.....	1 50
Harlan's Farming with Green Manure.....	1 00
Harris' Talks on Manures.....	1 75
How to Grow Onions on Muck Soil.....	paper 25
How to Destroy Insects on Flowers and House Plants.....	30

Hop Culture in the United States.....	\$1 50
Insects and Insecticides.....	1 50
Kalamazoo Celery; Its Cultivation and Secret of Success.....	paper 50
Mushrooms; How to Grow Them.....	1 50
Mushrooms; How to Grow Them.....	paper 10
My Vineyard at Lakeview.....	50
Onion Culture.....	paper 20
Our Farm of Four Acres.....	paper 30
Practical Floriculture.....	1 50
Quinn's Money in the Garden.....	1 50
Robinson's Mushroom Culture.....	50
Roe's Play and Profit in My Garden.....	1 50
Silos, Ensilage and Silage.....	50
Stewart's Irrigation.....	1 00
The Language of Flowers.....	cloth, 50c; paper 25
The Rose; Ellwanger.....	1 25
The Young Market Gardener.....	paper 50
Tobacco Culture.....	paper 25
Tobacco Leaf.....	06
Truck Farming in the South.....	1 00
Window Gardening.....	1 00

## HORSES, CATTLE, SHEEP, SWINE, POULTRY, ETC.

Canary Birds.....	paper \$0 50
Feathered Pets.....	paper 25
Dadd's American Reformed Cattle Doctor.....	2 50
Dairying for Profit, or the Poor Man's Cow.....	paper 50
Quinby's New Bee Keeping.....	1 00

Randall's Practical Shepherd.....	\$2 00
Stewart's Shepherd Manual.....	1 50
Stoddard's An Egg Farm (new, large edition).....	1 00
Willard's Practical Butter Book.....	1 00

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Bulbs and Tuberous-Rooted Plants, by C. L. ALLEN.....	2 00
Celery Growing and Marketing, by HOMER L. STEWART.....	1 00
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Window Gardening.....	1 00

Ornamental Gardening for Americans.....	\$1 50
Silk Culture, paper.....	30
Mushrooms, How to Grow Them.....	1 50
Mushrooms, How to Grow Them.....	10
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Tobacco Leaf.....	2 00

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